

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031622\
 Data File : VX027465.D
 Acq On : 16 Mar 2022 12:43
 Operator : JC/MD
 Sample : VX0316WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 00:49:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	353903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	538567	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	446136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	222033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	203664	49.349	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.700%		
35) Dibromofluoromethane	5.385	113	186216	53.585	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	107.160%		
50) Toluene-d8	8.653	98	675918	51.519	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.040%		
62) 4-Bromofluorobenzene	11.085	95	240991	48.195	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	59212	16.322	ug/l	100
3) Chloromethane	1.294	50	50583	13.260	ug/l	99
4) Vinyl Chloride	1.373	62	56320	14.365	ug/l	99
5) Bromomethane	1.599	94	40519	22.755	ug/l	97
6) Chloroethane	1.684	64	36438	15.042	ug/l	99
7) Trichlorofluoromethane	1.885	101	99931	18.303	ug/l	97
8) Diethyl Ether	2.135	74	38327	18.016	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.324	101	65032	18.219	ug/l	95
10) Methyl Iodide	2.452	142	77530	15.388	ug/l	99
11) Tert butyl alcohol	2.965	59	72404	89.491	ug/l	100
12) 1,1-Dichloroethene	2.318	96	58948	17.178	ug/l	95
13) Acrolein	2.233	56	32310	56.972	ug/l	99
14) Allyl chloride	2.666	41	89417	16.613	ug/l	97
15) Acrylonitrile	3.062	53	179612	84.354	ug/l	100
16) Acetone	2.379	43	146820	89.943	ug/l	96
17) Carbon Disulfide	2.507	76	134739	14.452	ug/l	98
18) Methyl Acetate	2.702	43	76115	16.777	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	203763	17.922	ug/l	99
20) Methylene Chloride	2.788	84	68077	16.885	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	63122	16.550	ug/l	95
22) Diisopropyl ether	3.763	45	184893	17.183	ug/l	91
23) Vinyl Acetate	3.721	43	792782	88.071	ug/l	97
24) 1,1-Dichloroethane	3.611	63	112334	17.193	ug/l	99
25) 2-Butanone	4.556	43	235198	82.735	ug/l	100
26) 2,2-Dichloropropane	4.476	77	88288	18.846	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	76292	17.240	ug/l	96
28) Bromochloromethane	4.897	49	48358	17.788	ug/l	89
29) Tetrahydrofuran	5.007	42	153600	81.659	ug/l	96
30) Chloroform	5.092	83	123645	17.930	ug/l	98
31) Cyclohexane	5.476	56	95793	16.594	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	108710	18.444	ug/l	98
36) 1,1-Dichloropropene	5.690	75	87334	18.101	ug/l	98
37) Ethyl Acetate	4.720	43	88969	17.493	ug/l	99
38) Carbon Tetrachloride	5.677	117	98833	19.809	ug/l	96
39) Methylcyclohexane	7.385	83	110829	18.190	ug/l	99
40) Benzene	6.037	78	260591	17.733	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031622\
 Data File : VX027465.D
 Acq On : 16 Mar 2022 12:43
 Operator : JC/MD
 Sample : VX0316WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 00:49:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	50097	18.269	ug/l	96
42) 1,2-Dichloroethane	6.092	62	93265	19.428	ug/l	100
43) Isopropyl Acetate	6.342	43	140671	18.348	ug/l	98
44) Trichloroethene	7.128	130	77176	19.121	ug/l	99
45) 1,2-Dichloropropane	7.427	63	66306	18.007	ug/l	94
46) Dibromomethane	7.586	93	49264	18.805	ug/l	96
47) Bromodichloromethane	7.823	83	93064	19.236	ug/l	99
48) Methyl methacrylate	7.695	41	70466	18.483	ug/l	92
49) 1,4-Dioxane	7.659	88	36501	365.605	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	471440	91.845	ug/l	96
52) Toluene	8.720	92	175960	18.782	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	95830	19.305	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	105963	19.016	ug/l	93
55) 1,1,2-Trichloroethane	9.152	97	74065	18.944	ug/l	98
56) Ethyl methacrylate	9.116	69	107382	18.620	ug/l	94
57) 1,3-Dichloropropane	9.311	76	116619	18.477	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	283537	97.380	ug/l	98
59) 2-Hexanone	9.433	43	358775	90.485	ug/l	95
60) Dibromochloromethane	9.524	129	78672	19.716	ug/l	96
61) 1,2-Dibromoethane	9.610	107	77003	19.072	ug/l	99
64) Tetrachloroethene	9.274	164	72717	23.259	ug/l	97
65) Chlorobenzene	10.079	112	178764	19.046	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	66153	20.159	ug/l	99
67) Ethyl Benzene	10.195	91	309696	19.133	ug/l	99
68) m/p-Xylenes	10.305	106	242724	38.230	ug/l	98
69) o-Xylene	10.646	106	119486	19.061	ug/l	97
70) Styrene	10.658	104	195960	18.833	ug/l	97
71) Bromoform	10.799	173	53908	20.115	ug/l #	99
73) Isopropylbenzene	10.963	105	317853	19.574	ug/l	100
74) N-amyl acetate	10.847	43	116138	19.568	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	101518	18.192	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	94433m	19.385	ug/l	
77) Bromobenzene	11.201	156	78839	19.240	ug/l	96
78) n-propylbenzene	11.305	91	357973	19.598	ug/l	98
79) 2-Chlorotoluene	11.365	91	219271	19.207	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	275180	19.766	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	27890	18.516	ug/l #	85
82) 4-Chlorotoluene	11.457	91	249870	19.348	ug/l	99
83) tert-Butylbenzene	11.719	119	271930	19.541	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	273266	19.791	ug/l	99
85) sec-Butylbenzene	11.890	105	332973	19.839	ug/l	100
86) p-Isopropyltoluene	12.012	119	285230	20.073	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	145195	18.860	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	146161	18.752	ug/l	98
89) n-Butylbenzene	12.335	91	232632	19.545	ug/l	97
90) Hexachloroethane	12.542	117	44315	20.009	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	144982	19.101	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	23649	20.227	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	92740	18.614	ug/l	99
94) Hexachlorobutadiene	13.725	225	43272	19.807	ug/l	92
95) Naphthalene	13.780	128	310433	18.559	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	93267	18.732	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031622\
 Data File : VX027465.D
 Acq On : 16 Mar 2022 12:43
 Operator : JC/MD
 Sample : VX0316WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 00:49:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Reviewed By :John Carlone 03/17/2022
Supervised By :Mahesh Dadoda 03/17/2022

[illegible]