

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033432.D
 Acq On : 15 Dec 2022 11:07
 Operator : JC/MD
 Sample : VX1215WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2022
 Supervised By : Mahesh Dadoda 12/16/2022

Quant Time: Dec 16 00:59:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	144488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	222709	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	44717	48.241	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.480%			
35) Dibromofluoromethane	5.379	113	51490	51.403	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	8.647	98	113403	54.117	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.240%			
62) 4-Bromofluorobenzene	11.079	95	93976	58.652	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21017	20.823	ug/l	97
3) Chloromethane	1.294	50	21492	18.417	ug/l	100
4) Vinyl Chloride	1.374	62	25327	19.007	ug/l	99
5) Bromomethane	1.618	94	18247	18.660	ug/l	96
6) Chloroethane	1.691	64	17972	17.782	ug/l	98
7) Trichlorofluoromethane	1.892	101	36958	14.774	ug/l	99
8) Diethyl Ether	2.136	74	12542	13.881	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	21618	16.291	ug/l	98
10) Methyl Iodide	2.453	142	24387	16.779	ug/l	99
11) Tert butyl alcohol	2.989	59	26481m	93.442	ug/l	
12) 1,1-Dichloroethene	2.319	96	19552	14.926	ug/l	95
13) Acrolein	2.239	56	17586	57.217	ug/l	99
14) Allyl chloride	2.666	41	40775	19.492	ug/l	96
15) Acrylonitrile	3.062	53	66087	94.140	ug/l	100
16) Acetone	2.386	43	55929	81.540	ug/l	94
17) Carbon Disulfide	2.514	76	62011	18.445	ug/l	99
18) Methyl Acetate	2.703	43	39105	19.694	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	91597	20.187	ug/l	98
20) Methylene Chloride	2.788	84	29965	19.589	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	29486	20.578	ug/l	96
22) Diisopropyl ether	3.757	45	90796	20.259	ug/l	95
23) Vinyl Acetate	3.721	43	344260	98.964	ug/l	98
24) 1,1-Dichloroethane	3.611	63	52421	19.907	ug/l	99
25) 2-Butanone	4.556	43	101104	102.689	ug/l	99
26) 2,2-Dichloropropane	4.471	77	41358	21.357	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	35301	20.614	ug/l	95
28) Bromochloromethane	4.897	49	21526	19.528	ug/l	94
29) Tetrahydrofuran	5.007	42	57659	90.388	ug/l	94
30) Chloroform	5.093	83	60255	20.611	ug/l	99
31) Cyclohexane	5.470	56	45256	20.544	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	54583	21.700	ug/l	98
36) 1,1-Dichloropropene	5.696	75	42941	21.987	ug/l	99
37) Ethyl Acetate	4.708	43	35965	19.481	ug/l	99
38) Carbon Tetrachloride	5.678	117	47373	21.650	ug/l	99
39) Methylcyclohexane	7.379	83	50139	22.937	ug/l	98
40) Benzene	6.037	78	121206	21.286	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033432.D
 Acq On : 15 Dec 2022 11:07
 Operator : JC/MD
 Sample : VX1215WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2022
 Supervised By : Mahesh Dadoda 12/16/2022

Quant Time: Dec 16 00:59:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20700	20.348	ug/l	96
42) 1,2-Dichloroethane	6.086	62	47676	21.085	ug/l	98
43) Isopropyl Acetate	6.336	43	59262	19.951	ug/l	98
44) Trichloroethene	7.123	130	34900	22.230	ug/l	98
45) 1,2-Dichloropropane	7.427	63	30977	21.271	ug/l	100
46) Dibromomethane	7.580	93	23654	21.322	ug/l	98
47) Bromodichloromethane	7.818	83	46317	21.418	ug/l	98
48) Methyl methacrylate	7.690	41	31051	20.255	ug/l	95
49) 1,4-Dioxane	7.696	88	13852	396.244	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	196268	104.484	ug/l	97
52) Toluene	8.720	92	82715	22.467	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	45497	21.109	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	49946	21.705	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	34122	22.048	ug/l	96
56) Ethyl methacrylate	9.116	69	46679	21.423	ug/l	92
57) 1,3-Dichloropropane	9.311	76	53545	21.537	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	96663	96.952	ug/l	97
59) 2-Hexanone	9.427	43	151387	109.361	ug/l	95
60) Dibromochloromethane	9.519	129	37523	22.006	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36225	22.006	ug/l	99
64) Tetrachloroethene	9.275	164	31276	22.006	ug/l	96
65) Chlorobenzene	10.079	112	93552	22.227	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	34924	21.957	ug/l	99
67) Ethyl Benzene	10.195	91	166887	22.759	ug/l	99
68) m/p-Xylenes	10.299	106	130453	45.726	ug/l	98
69) o-Xylene	10.640	106	63279	22.440	ug/l	98
70) Styrene	10.659	104	107707	23.321	ug/l	97
71) Bromoform	10.799	173	26524	21.067	ug/l #	98
73) Isopropylbenzene	10.963	105	169527	21.983	ug/l	100
74) N-amyl acetate	10.841	43	52796	20.066	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	50578	20.673	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	45106m	20.837	ug/l	
77) Bromobenzene	11.195	156	41846	21.489	ug/l	98
78) n-propylbenzene	11.305	91	193432	22.464	ug/l	99
79) 2-Chlorotoluene	11.366	91	116212	21.838	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	142080	22.133	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	12707	18.260	ug/l	97
82) 4-Chlorotoluene	11.451	91	133528	21.579	ug/l	97
83) tert-Butylbenzene	11.713	119	143579	22.430	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	143303	22.364	ug/l	99
85) sec-Butylbenzene	11.890	105	173016	23.166	ug/l	99
86) p-Isopropyltoluene	12.012	119	146815	22.801	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	79123	22.430	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	79025	21.932	ug/l	100
89) n-Butylbenzene	12.335	91	122594	23.246	ug/l	100
90) Hexachloroethane	12.536	117	22881	20.905	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	75848	21.506	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9642	18.246	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	46565	21.862	ug/l	99
94) Hexachlorobutadiene	13.725	225	21139	24.784	ug/l	98
95) Naphthalene	13.774	128	151271	21.291	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	46145	21.391	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
Data File : VX033432.D
Acq On : 15 Dec 2022 11:07
Operator : JC/MD
Sample : VX1215WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1215WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022

Quant Time: Dec 16 00:59:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

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

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

