

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032229.D
 Acq On : 20 Oct 2022 00:19
 Operator : JC/MD
 Sample : VX1019WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 04:36:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	139997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222611	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97334	53.444	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.880%			
35) Dibromofluoromethane	5.385	113	76787	49.570	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.140%			
50) Toluene-d8	8.647	98	276486	49.583	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.160%			
62) 4-Bromofluorobenzene	11.079	95	107624	52.707	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26683	20.833	ug/l	99
3) Chloromethane	1.294	50	25406	19.324	ug/l	96
4) Vinyl Chloride	1.374	62	27389	19.855	ug/l	95
5) Bromomethane	1.617	94	25463	17.630	ug/l	100
6) Chloroethane	1.691	64	22946	18.586	ug/l	100
7) Trichlorofluoromethane	1.892	101	54004	22.022	ug/l	98
8) Diethyl Ether	2.136	74	18229	21.875	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	26850	20.196	ug/l	99
10) Methyl Iodide	2.453	142	36438	18.966	ug/l	96
11) Tert butyl alcohol	2.989	59	30075	103.748	ug/l	100
12) 1,1-Dichloroethene	2.319	96	25710	20.575	ug/l	97
13) Acrolein	2.239	56	26278	118.528	ug/l	100
14) Allyl chloride	2.666	41	41111	20.947	ug/l	97
15) Acrylonitrile	3.068	53	69033	101.067	ug/l	97
16) Acetone	2.386	43	63153	106.854	ug/l	98
17) Carbon Disulfide	2.514	76	58210	19.898	ug/l	100
18) Methyl Acetate	2.703	43	42592	21.227	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	91398	21.226	ug/l	98
20) Methylene Chloride	2.788	84	29513	19.448	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	28255	20.761	ug/l	98
22) Diisopropyl ether	3.757	45	89505	20.826	ug/l	97
23) Vinyl Acetate	3.721	43	360309	104.894	ug/l	99
24) 1,1-Dichloroethane	3.611	63	51106	20.581	ug/l	98
25) 2-Butanone	4.562	43	97582	105.751	ug/l	100
26) 2,2-Dichloropropane	4.477	77	36557	20.434	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	32899	20.645	ug/l	99
28) Bromochloromethane	4.897	49	19166	18.708	ug/l	100
29) Tetrahydrofuran	5.013	42	61467	103.137	ug/l	99
30) Chloroform	5.092	83	56348	20.849	ug/l	96
31) Cyclohexane	5.477	56	44213	21.236	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	50479	21.902	ug/l	99
36) 1,1-Dichloropropene	5.696	75	40622	20.386	ug/l	99
37) Ethyl Acetate	4.715	43	38440	19.702	ug/l	99
38) Carbon Tetrachloride	5.678	117	43764	20.805	ug/l	99
39) Methylcyclohexane	7.379	83	48393	20.329	ug/l	99
40) Benzene	6.037	78	115070	19.924	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032229.D
 Acq On : 20 Oct 2022 00:19
 Operator : JC/MD
 Sample : VX1019WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 04:36:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21382	20.784	ug/l	97
42) 1,2-Dichloroethane	6.086	62	47923	21.663	ug/l	98
43) Isopropyl Acetate	6.342	43	63235	20.650	ug/l	99
44) Trichloroethene	7.129	130	32138	20.208	ug/l	100
45) 1,2-Dichloropropane	7.434	63	29566	20.293	ug/l	99
46) Dibromomethane	7.580	93	22286	20.509	ug/l	98
47) Bromodichloromethane	7.824	83	41135	20.492	ug/l	99
48) Methyl methacrylate	7.696	41	33344	21.834	ug/l	95
49) 1,4-Dioxane	7.696	88	13336	435.122	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	201113	104.772	ug/l	100
52) Toluene	8.720	92	76127	20.348	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	41142	19.346	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	45048	20.140	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	30905	20.335	ug/l	98
56) Ethyl methacrylate	9.116	69	45795	20.922	ug/l	99
57) 1,3-Dichloropropane	9.311	76	50933	20.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	100097	99.769	ug/l	99
59) 2-Hexanone	9.433	43	153640	107.270	ug/l	99
60) Dibromochloromethane	9.519	129	31070	19.947	ug/l	98
61) 1,2-Dibromoethane	9.610	107	33149	20.575	ug/l	98
64) Tetrachloroethene	9.275	164	26139	19.817	ug/l	97
65) Chlorobenzene	10.079	112	82639	20.179	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	30318	20.690	ug/l	99
67) Ethyl Benzene	10.195	91	149599	20.632	ug/l	100
68) m/p-Xylenes	10.305	106	115374	40.293	ug/l	98
69) o-Xylene	10.640	106	56281	20.517	ug/l	97
70) Styrene	10.659	104	93968	20.314	ug/l	99
71) Bromoform	10.799	173	21739	18.878	ug/l #	99
73) Isopropylbenzene	10.963	105	152311	20.879	ug/l	100
74) N-amyl acetate	10.841	43	57399	21.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	47551	20.276	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42289m	20.877	ug/l	
77) Bromobenzene	11.201	156	35919	20.088	ug/l	96
78) n-propylbenzene	11.305	91	173894	20.818	ug/l	100
79) 2-Chlorotoluene	11.366	91	103920	20.643	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	130921	20.778	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11068	18.992	ug/l	94
82) 4-Chlorotoluene	11.457	91	122049	20.824	ug/l	100
83) tert-Butylbenzene	11.713	119	130272	20.664	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	129953	21.213	ug/l	98
85) sec-Butylbenzene	11.890	105	156804	20.581	ug/l	99
86) p-Isopropyltoluene	12.012	119	134762	20.788	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	69470	20.186	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	70326	19.893	ug/l	98
89) n-Butylbenzene	12.335	91	113821	19.934	ug/l	99
90) Hexachloroethane	12.542	117	19957	19.839	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	69833	20.670	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10058	20.832	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	43547	19.799	ug/l	99
94) Hexachlorobutadiene	13.725	225	18368	19.242	ug/l	99
95) Naphthalene	13.774	128	147798	20.981	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	44287	20.019	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
Data File : VX032229.D
Acq On : 20 Oct 2022 00:19
Operator : JC/MD
Sample : VX1019WBSD02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD02

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 04:36:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 19 16:51:09 2022
Response via : Initial Calibration

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

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

