

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034222.D
 Acq On : 22 Feb 2023 12:30
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Quant Time: Feb 23 03:18:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 23 03:17:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	319335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	519527	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	456183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	211756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	190579	44.314	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.620%		
35) Dibromofluoromethane	5.379	113	163931	48.463	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.920%		
50) Toluene-d8	8.647	98	605670	49.871	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.740%		
62) 4-Bromofluorobenzene	11.079	95	214751	46.228	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1138	0.412	ug/l	94
3) Chloromethane	1.294	50	2082	0.524	ug/l	99
4) Vinyl Chloride	1.374	62	1621	0.448	ug/l	88
5) Bromomethane	1.618	94	1462	1.019	ug/l	91
6) Chloroethane	1.691	64	1148	0.631	ug/l	91
7) Trichlorofluoromethane	1.892	101	2476	0.506	ug/l	97
8) Diethyl Ether	2.130	74	1080	0.548	ug/l	55
9) 1,1,2-Trichlorotrifluo...	2.331	101	1342	0.389	ug/l	99
10) Methyl Iodide	2.447	142	1275	0.304	ug/l #	86
11) Tert butyl alcohol	2.947	59	4418	4.593	ug/l #	95
12) 1,1-Dichloroethene	2.325	96	1326	0.384	ug/l	94
13) Acrolein	2.239	56	1300	2.961	ug/l	85
14) Allyl chloride	2.660	41	2783	0.380	ug/l	100
15) Acrylonitrile	3.075	53	4160	1.982	ug/l	93
16) Acetone	2.380	43	3942	1.777	ug/l	98
17) Carbon Disulfide	2.514	76	4071	0.410	ug/l #	90
18) Methyl Acetate	2.703	43	2526	0.368	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	4687	0.384	ug/l	99
20) Methylene Chloride	2.794	84	2644	0.661	ug/l	87
21) trans-1,2-Dichloroethene	3.087	96	1447	0.400	ug/l	97
22) Diisopropyl ether	3.751	45	5502	0.428	ug/l #	50
23) Vinyl Acetate	3.733	43	18948	1.841	ug/l	98
24) 1,1-Dichloroethane	3.611	63	2533	0.359	ug/l #	78
25) 2-Butanone	4.568	43	5547	1.728	ug/l	98
26) 2,2-Dichloropropane	4.477	77	2229	0.349	ug/l	90
27) cis-1,2-Dichloroethene	4.489	96	1678	0.392	ug/l	97
28) Bromochloromethane	4.891	49	1234	0.392	ug/l #	97
29) Tetrahydrofuran	5.013	42	3804	1.943	ug/l	96
30) Chloroform	5.093	83	2857	0.422	ug/l	86
31) Cyclohexane	5.477	56	2392	0.373	ug/l	86
32) 1,1,1-Trichloroethane	5.373	97	2258	0.372	ug/l #	42
36) 1,1-Dichloropropene	5.702	75	2085	0.417	ug/l #	74
37) Ethyl Acetate	4.733	43	2977m	0.532	ug/l	
38) Carbon Tetrachloride	5.666	117	2276	0.442	ug/l	93
39) Methylcyclohexane	7.373	83	2405	0.374	ug/l	94
40) Benzene	6.037	78	5831	0.393	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034222.D
 Acq On : 22 Feb 2023 12:30
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Quant Time: Feb 23 03:18:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 23 03:17:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	1319m	0.423	ug/l	
42) 1,2-Dichloroethane	6.086	62	2265	0.434	ug/l	84
43) Isopropyl Acetate	6.336	43	3674	0.372	ug/l #	94
44) Trichloroethene	7.129	130	1621	0.426	ug/l	96
45) 1,2-Dichloropropane	7.434	63	1681	0.426	ug/l #	79
46) Dibromomethane	7.592	93	1172	0.451	ug/l #	78
47) Bromodichloromethane	7.824	83	2043	0.383	ug/l #	95
48) Methyl methacrylate	7.702	41	1929	0.412	ug/l	87
49) 1,4-Dioxane	7.696	88	642	6.874	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	10346	1.906	ug/l	92
52) Toluene	8.720	92	3510	0.391	ug/l	86
53) t-1,3-Dichloropropene	8.982	75	2130	0.347	ug/l	93
54) cis-1,3-Dichloropropene	8.366	75	2488	0.379	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	1370	0.378	ug/l	92
56) Ethyl methacrylate	9.128	69	2283	0.372	ug/l	97
57) 1,3-Dichloropropane	9.311	76	2488	0.394	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.244	63	6304	2.373	ug/l	93
59) 2-Hexanone	9.439	43	6793	1.642	ug/l	99
60) Dibromochloromethane	9.525	129	1428	0.356	ug/l	98
61) 1,2-Dibromoethane	9.610	107	1373	0.358	ug/l	95
64) Tetrachloroethene	9.269	164	1472	0.457	ug/l	90
65) Chlorobenzene	10.079	112	3886	0.409	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	1286	0.349	ug/l #	63
67) Ethyl Benzene	10.195	91	6836	0.400	ug/l	92
68) m/p-Xylenes	10.299	106	5154	0.788	ug/l	94
69) o-Xylene	10.640	106	2484	0.382	ug/l	95
70) Styrene	10.659	104	4059	0.383	ug/l	97
71) Bromoform	10.799	173	1050	0.349	ug/l #	99
73) Isopropylbenzene	10.963	105	6336	0.393	ug/l	98
74) N-amyl acetate	10.848	43	3092	0.381	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	1928	0.349	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	1923m	0.361	ug/l	
77) Bromobenzene	11.195	156	1700	0.438	ug/l	85
78) n-propylbenzene	11.305	91	7601	0.405	ug/l	93
79) 2-Chlorotoluene	11.366	91	4405	0.383	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	5407	0.398	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.018	75	493m	0.238	ug/l	
82) 4-Chlorotoluene	11.457	91	5493	0.419	ug/l	97
83) tert-Butylbenzene	11.713	119	5308	0.382	ug/l	88
84) 1,2,4-Trimethylbenzene	11.750	105	4948	0.361	ug/l	93
85) sec-Butylbenzene	11.890	105	6266	0.371	ug/l	100
86) p-Isopropyltoluene	12.012	119	5378	0.385	ug/l #	84
87) 1,3-Dichlorobenzene	11.969	146	2853	0.392	ug/l	90
88) 1,4-Dichlorobenzene	12.043	146	2979m	0.405	ug/l	
89) n-Butylbenzene	12.335	91	4114	0.331	ug/l	93
90) Hexachloroethane	12.542	117	1044	0.358	ug/l	77
91) 1,2-Dichlorobenzene	12.341	146	2801	0.393	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	430	0.327	ug/l	68
93) 1,2,4-Trichlorobenzene	13.591	180	1900	0.415	ug/l	94
94) Hexachlorobutadiene	13.725	225	818	0.431	ug/l	91
95) Naphthalene	13.780	128	5383	0.349	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1560	0.343	ug/l	85

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
Data File : VX034222.D
Acq On : 22 Feb 2023 12:30
Operator : JC/MD
Sample : MDL05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 23 03:18:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 23 03:17:23 2023
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 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

[illegible]