

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
 Data File : VX034216.D
 Acq On : 21 Feb 2023 17:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 05:53:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	328281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	539855	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	496296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	252687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	201270	45.524	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.040%		
35) Dibromofluoromethane	5.385	113	172235	49.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.000%		
50) Toluene-d8	8.647	98	657101	52.068	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.140%		
62) 4-Bromofluorobenzene	11.079	95	258540	53.559	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	143526	50.596	ug/l	99
3) Chloromethane	1.300	50	203214	49.781	ug/l	99
4) Vinyl Chloride	1.374	62	209944	56.472	ug/l	98
5) Bromomethane	1.599	94	85105	61.966	ug/l	99
6) Chloroethane	1.685	64	116014	62.073	ug/l	99
7) Trichlorofluoromethane	1.886	101	295308	58.714	ug/l	100
8) Diethyl Ether	2.136	74	111027	54.793	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	164221	46.363	ug/l	96
10) Methyl Iodide	2.453	142	209818	48.651	ug/l	94
11) Tert butyl alcohol	2.959	59	218821	221.288	ug/l #	85
12) 1,1-Dichloroethene	2.319	96	163238	45.973	ug/l	93
13) Acrolein	2.239	56	101615	225.115	ug/l	99
14) Allyl chloride	2.666	41	327869	43.530	ug/l	89
15) Acrylonitrile	3.062	53	530069	245.720	ug/l	99
16) Acetone	2.380	43	464930	203.858	ug/l	92
17) Carbon Disulfide	2.514	76	439960	43.097	ug/l	99
18) Methyl Acetate	2.703	43	348297	49.355	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	586416	46.794	ug/l	97
20) Methylene Chloride	2.788	84	186724	45.439	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	174103	46.794	ug/l	97
22) Diisopropyl ether	3.763	45	655989	49.679	ug/l	92
23) Vinyl Acetate	3.721	43	2585568	244.398	ug/l	100
24) 1,1-Dichloroethane	3.611	63	337740	46.591	ug/l	99
25) 2-Butanone	4.556	43	766692	232.337	ug/l	98
26) 2,2-Dichloropropane	4.477	77	290282	44.204	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	212111	48.143	ug/l	97
28) Bromochloromethane	4.897	49	151023	46.702	ug/l	87
29) Tetrahydrofuran	5.001	42	503614	250.170	ug/l	98
30) Chloroform	5.092	83	334590	48.068	ug/l	99
31) Cyclohexane	5.470	56	307700	46.615	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	290575	46.568	ug/l	99
36) 1,1-Dichloropropene	5.696	75	247395	47.591	ug/l	99
37) Ethyl Acetate	4.714	43	295912	50.935	ug/l	100
38) Carbon Tetrachloride	5.678	117	256720	47.993	ug/l	99
39) Methylcyclohexane	7.379	83	314899	47.073	ug/l	99
40) Benzene	6.037	78	758295	49.224	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
 Data File : VX034216.D
 Acq On : 21 Feb 2023 17:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 22 05:53:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	164179	50.722	ug/l	99
42) 1,2-Dichloroethane	6.086	62	254507	46.974	ug/l	99
43) Isopropyl Acetate	6.336	43	508438	49.594	ug/l	99
44) Trichloroethene	7.123	130	195000	49.326	ug/l	96
45) 1,2-Dichloropropane	7.433	63	204425	49.848	ug/l	99
46) Dibromomethane	7.580	93	134686	49.904	ug/l	88
47) Bromodichloromethane	7.824	83	266320	48.083	ug/l	96
48) Methyl methacrylate	7.690	41	238700	49.055	ug/l	97
49) 1,4-Dioxane	7.659	88	95525	984.218	ug/l #	99
51) 4-Methyl-2-Pentanone	8.573	43	1555727	275.816	ug/l	99
52) Toluene	8.720	92	486271	52.095	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	316779	49.687	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	333449	48.855	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	199353	52.911	ug/l	99
56) Ethyl methacrylate	9.116	69	333746	52.363	ug/l	98
57) 1,3-Dichloropropane	9.311	76	339524	51.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	703646	254.848	ug/l	95
59) 2-Hexanone	9.427	43	1188731	276.539	ug/l	98
60) Dibromochloromethane	9.518	129	216994	52.123	ug/l	100
61) 1,2-Dibromoethane	9.610	107	208492	52.323	ug/l	98
64) Tetrachloroethene	9.275	164	163685	46.730	ug/l	95
65) Chlorobenzene	10.079	112	520341	50.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	197882	49.410	ug/l	98
67) Ethyl Benzene	10.195	91	931017	50.093	ug/l	100
68) m/p-Xylenes	10.299	106	730500	102.706	ug/l	96
69) o-Xylene	10.640	106	365707	51.647	ug/l	96
70) Styrene	10.652	104	609811	52.953	ug/l	97
71) Bromoform	10.799	173	162951	49.847	ug/l #	99
73) Isopropylbenzene	10.963	105	941624	48.895	ug/l	100
74) N-amyl acetate	10.841	43	476403	49.241	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	321141	48.756	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	262986m	41.361	ug/l	
77) Bromobenzene	11.195	156	227669	49.126	ug/l	85
78) n-propylbenzene	11.305	91	1112275	49.661	ug/l	98
79) 2-Chlorotoluene	11.366	91	672814	48.990	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	799854	49.401	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	113916	46.025	ug/l	92
82) 4-Chlorotoluene	11.451	91	779485	49.832	ug/l	95
83) tert-Butylbenzene	11.713	119	817410	49.293	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	804013	49.112	ug/l	97
85) sec-Butylbenzene	11.890	105	1007959	50.054	ug/l	98
86) p-Isopropyltoluene	12.006	119	832845	49.973	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	432677	49.782	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	428923	48.927	ug/l	97
89) n-Butylbenzene	12.335	91	749995	50.526	ug/l	98
90) Hexachloroethane	12.536	117	168048	48.227	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	417296	49.071	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	69124	44.008	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	259624	47.554	ug/l	98
94) Hexachlorobutadiene	13.725	225	106148	46.900	ug/l	97
95) Naphthalene	13.774	128	891183	48.456	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	259395	47.857	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
Data File : VX034216.D
Acq On : 21 Feb 2023 17:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 05:53:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

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

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

