

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025358.D
 Acq On : 29 Nov 2021 10:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/30/2021
 Supervised By : Mahesh Dadoda 11/30/2021

Quant Time: Nov 29 15:38:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	111804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170755	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57325	48.643	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.280%		
35) Dibromofluoromethane	5.385	113	51876	49.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.020%		
50) Toluene-d8	8.647	98	192011	48.744	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.480%		
62) 4-Bromofluorobenzene	11.079	95	72280	48.502	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	54393	56.124	ug/l	98
3) Chloromethane	1.294	50	56088	46.740	ug/l	99
4) Vinyl Chloride	1.374	62	62703	47.592	ug/l	100
5) Bromomethane	1.599	94	28459	50.242	ug/l	99
6) Chloroethane	1.679	64	40354	44.391	ug/l	98
7) Trichlorofluoromethane	1.886	101	96178	49.183	ug/l	97
8) Diethyl Ether	2.136	74	38220	47.359	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	54236	52.126	ug/l	96
10) Methyl Iodide	2.453	142	65701	50.502	ug/l	93
11) Tert butyl alcohol	2.965	59	61278	208.729	ug/l	98
12) 1,1-Dichloroethene	2.319	96	50857	49.078	ug/l	89
13) Acrolein	2.233	56	15374	284.761	ug/l	99
14) Allyl chloride	2.660	41	87216	46.505	ug/l	96
15) Acrylonitrile	3.062	53	146746	232.043	ug/l	99
16) Acetone	2.380	43	182298	278.385	ug/l	95
17) Carbon Disulfide	2.508	76	129482	44.418	ug/l	97
18) Methyl Acetate	2.703	43	94084	44.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	177409	49.136	ug/l	99
20) Methylene Chloride	2.788	84	57495	46.707	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	55016	48.463	ug/l	87
22) Diisopropyl ether	3.757	45	176543	49.431	ug/l	95
23) Vinyl Acetate	3.721	43	701316	244.458	ug/l	96
24) 1,1-Dichloroethane	3.605	63	97482	49.952	ug/l	95
25) 2-Butanone	4.556	43	237730	251.099	ug/l	99
26) 2,2-Dichloropropane	4.477	77	90226	50.997	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	65408	49.339	ug/l	91
28) Bromochloromethane	4.891	49	46027	50.580	ug/l	93
29) Tetrahydrofuran	5.001	42	130923	223.338	ug/l	97
30) Chloroform	5.093	83	102660	50.549	ug/l	98
31) Cyclohexane	5.471	56	88472	48.581	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	93342	50.201	ug/l	98
36) 1,1-Dichloropropene	5.696	75	74791	50.203	ug/l	97
37) Ethyl Acetate	4.708	43	79949	47.168	ug/l	99
38) Carbon Tetrachloride	5.678	117	85467	52.086	ug/l	97
39) Methylcyclohexane	7.379	83	97719	51.137	ug/l	95
40) Benzene	6.037	78	224706	49.791	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025358.D
 Acq On : 29 Nov 2021 10:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/30/2021
 Supervised By : Mahesh Dadoda 11/30/2021

Quant Time: Nov 29 15:38:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	44381	47.175	ug/l	96
42) 1,2-Dichloroethane	6.086	62	76299	51.959	ug/l	93
43) Isopropyl Acetate	6.342	43	135527	48.045	ug/l	98
44) Trichloroethene	7.123	130	66069	50.395	ug/l	95
45) 1,2-Dichloropropane	7.427	63	56478	50.954	ug/l	100
46) Dibromomethane	7.580	93	40620	50.482	ug/l	91
47) Bromodichloromethane	7.824	83	81023	51.239	ug/l	98
48) Methyl methacrylate	7.690	41	62472	47.189	ug/l	96
49) 1,4-Dioxane	7.659	88	24116	862.612	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	419298	237.051	ug/l	98
52) Toluene	8.720	92	147624	50.104	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	91053	51.780	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	96183	50.460	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	60285	51.480	ug/l	97
56) Ethyl methacrylate	9.116	69	93915	49.420	ug/l	96
57) 1,3-Dichloropropane	9.311	76	98520	50.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	220802	249.737	ug/l	96
59) 2-Hexanone	9.433	43	348376	249.825	ug/l	96
60) Dibromochloromethane	9.519	129	69045	51.228	ug/l	99
61) 1,2-Dibromoethane	9.610	107	64019	50.476	ug/l	98
64) Tetrachloroethene	9.275	164	66080	51.159	ug/l	94
65) Chlorobenzene	10.079	112	163024	51.072	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	62604	51.142	ug/l	99
67) Ethyl Benzene	10.195	91	286497	51.937	ug/l	97
68) m/p-Xylenes	10.305	106	228992	101.633	ug/l	93
69) o-Xylene	10.640	106	112939	51.214	ug/l	90
70) Styrene	10.659	104	187257	51.400	ug/l	97
71) Bromoform	10.799	173	53465	50.307	ug/l #	100
73) Isopropylbenzene	10.963	105	292193	51.077	ug/l	97
74) N-amyl acetate	10.841	43	119441	48.271	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	89263	48.240	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	83225m	50.631	ug/l	
77) Bromobenzene	11.201	156	74368	50.549	ug/l	94
78) n-propylbenzene	11.305	91	336724	52.438	ug/l	97
79) 2-Chlorotoluene	11.366	91	197091	50.415	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	246406	51.242	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	31748	48.656	ug/l	90
82) 4-Chlorotoluene	11.457	91	227323	50.940	ug/l	96
83) tert-Butylbenzene	11.713	119	247124	50.569	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	245721	51.702	ug/l	95
85) sec-Butylbenzene	11.890	105	316075	53.201	ug/l	98
86) p-Isopropyltoluene	12.012	119	265536	52.019	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	140667	51.363	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	140545	50.646	ug/l	97
89) n-Butylbenzene	12.335	91	227218	52.811	ug/l	97
90) Hexachloroethane	12.542	117	48150	51.186	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	134102	50.245	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18920	48.950	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	86569	55.107	ug/l	98
94) Hexachlorobutadiene	13.725	225	39967	52.987	ug/l	99
95) Naphthalene	13.780	128	274750	50.734	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	84948	55.277	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
Data File : VX025358.D
Acq On : 29 Nov 2021 10:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 11/30/2021

Quant Time: Nov 29 15:38:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration

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

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

