

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025877.D
 Acq On : 17 Dec 2021 11:35
 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 12/20/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 19 02:25:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	124387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79181	44.242	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.480%		
35) Dibromofluoromethane	5.391	113	65416	46.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.640%		
50) Toluene-d8	8.653	98	239734	46.588	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.180%		
62) 4-Bromofluorobenzene	11.079	95	93571	47.869	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	61948	55.687	ug/l	100
3) Chloromethane	1.295	50	67963	46.918	ug/l	97
4) Vinyl Chloride	1.374	62	71972	46.711	ug/l	97
5) Bromomethane	1.599	94	48676	44.244	ug/l	99
6) Chloroethane	1.679	64	49722	44.554	ug/l	100
7) Trichlorofluoromethane	1.880	101	118032	46.377	ug/l	97
8) Diethyl Ether	2.136	74	48188	47.998	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	64640	48.806	ug/l	98
10) Methyl Iodide	2.453	142	83984	49.768	ug/l	99
11) Tert butyl alcohol	2.977	59	80132	223.204	ug/l	99
12) 1,1-Dichloroethene	2.319	96	60148	45.677	ug/l	95
13) Acrolein	2.240	56	54456	221.914	ug/l	100
14) Allyl chloride	2.660	41	107576	44.762	ug/l	99
15) Acrylonitrile	3.069	53	205975	245.765	ug/l	99
16) Acetone	2.386	43	219486	286.493	ug/l	100
17) Carbon Disulfide	2.508	76	147098	38.998	ug/l	98
18) Methyl Acetate	2.703	43	135819	49.792	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	233646	50.235	ug/l	99
20) Methylene Chloride	2.788	84	75099	49.011	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	67893	46.199	ug/l	99
22) Diisopropyl ether	3.764	45	233126	50.008	ug/l	97
23) Vinyl Acetate	3.727	43	939427	260.412	ug/l	100
24) 1,1-Dichloroethane	3.611	63	123576	46.426	ug/l	97
25) 2-Butanone	4.562	43	309327	256.976	ug/l	98
26) 2,2-Dichloropropane	4.477	77	92528	45.831	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	82312	47.237	ug/l	99
28) Bromochloromethane	4.904	49	51179	42.666	ug/l	99
29) Tetrahydrofuran	5.007	42	191183	249.808	ug/l	99
30) Chloroform	5.099	83	135486	46.410	ug/l	100
31) Cyclohexane	5.471	56	109068	50.113	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	113801	44.789	ug/l	99
36) 1,1-Dichloropropene	5.690	75	92237	48.159	ug/l	98
37) Ethyl Acetate	4.721	43	113652	53.410	ug/l	100
38) Carbon Tetrachloride	5.678	117	99397	44.604	ug/l	99
39) Methylcyclohexane	7.379	83	114848	53.591	ug/l	98
40) Benzene	6.038	78	287348	50.295	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	62414	52.999	ug/l	99
42) 1,2-Dichloroethane	6.086	62	109014	50.204	ug/l	99
43) Isopropyl Acetate	6.342	43	177994	51.919	ug/l	100
44) Trichloroethene	7.123	130	78843	49.569	ug/l	100
45) 1,2-Dichloropropane	7.434	63	74374	51.648	ug/l	97
46) Dibromomethane	7.580	93	55831	49.801	ug/l	97
47) Bromodichloromethane	7.824	83	104170	47.146	ug/l	95
48) Methyl methacrylate	7.696	41	87766	54.364	ug/l	99
49) 1,4-Dioxane	7.665	88	37246	1056.780	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	597421	266.203	ug/l	100
52) Toluene	8.720	92	186496	51.231	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	106866	50.741	ug/l	99
54) cis-1,3-Dichloropropene	8.367	75	117908	51.166	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	80181	51.361	ug/l	97
56) Ethyl methacrylate	9.116	69	123692	55.170	ug/l	99
57) 1,3-Dichloropropane	9.311	76	131847	51.489	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	281602	256.703	ug/l	99
59) 2-Hexanone	9.433	43	469006	275.820	ug/l	100
60) Dibromochloromethane	9.525	129	83008	46.848	ug/l	98
61) 1,2-Dibromoethane	9.610	107	86408	51.048	ug/l	99
64) Tetrachloroethene	9.275	164	75849	49.230	ug/l	97
65) Chlorobenzene	10.080	112	208886	51.882	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	76830	48.867	ug/l	99
67) Ethyl Benzene	10.195	91	357242	52.471	ug/l	99
68) m/p-Xylenes	10.305	106	283522	107.018	ug/l	100
69) o-Xylene	10.640	106	141197	54.176	ug/l	98
70) Styrene	10.659	104	236465	54.524	ug/l	99
71) Bromoform	10.799	173	61124	47.194	ug/l #	99
73) Isopropylbenzene	10.964	105	362236	50.646	ug/l	100
74) N-amyl acetate	10.848	43	158106	54.959	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	125478	50.336	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	110311m	48.855	ug/l	
77) Bromobenzene	11.201	156	92685	50.520	ug/l	96
78) n-propylbenzene	11.305	91	416191	51.445	ug/l	100
79) 2-Chlorotoluene	11.366	91	250869	48.764	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	305997	51.585	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31979	43.909	ug/l	93
82) 4-Chlorotoluene	11.457	91	288068	50.005	ug/l	99
83) tert-Butylbenzene	11.720	119	299753	51.554	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	308745	52.102	ug/l	100
85) sec-Butylbenzene	11.890	105	377664	54.039	ug/l	99
86) p-Isopropyltoluene	12.012	119	321120	54.712	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	175402	51.313	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	174280	49.938	ug/l	99
89) n-Butylbenzene	12.335	91	272742	55.708	ug/l	99
90) Hexachloroethane	12.543	117	49967	43.318	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	171456	52.523	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25879	46.199	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	106223	53.731	ug/l	98
94) Hexachlorobutadiene	13.725	225	41907	60.351	ug/l	97
95) Naphthalene	13.780	128	356694	52.843	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	106017	54.178	ug/l	99

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

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