

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025900.D
 Acq On : 17 Dec 2021 21:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 19 02:37:24 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	114745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	194207	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	72574	43.958	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.920%		
35) Dibromofluoromethane	5.385	113	60858	44.933	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.860%		
50) Toluene-d8	8.653	98	229391	46.484	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.960%		
62) 4-Bromofluorobenzene	11.085	95	87484	46.669	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52286	50.951	ug/l	99
3) Chloromethane	1.294	50	58399	43.704	ug/l	100
4) Vinyl Chloride	1.374	62	63620	44.760	ug/l	96
5) Bromomethane	1.599	94	42535	41.911	ug/l	99
6) Chloroethane	1.678	64	46535	45.203	ug/l	96
7) Trichlorofluoromethane	1.880	101	108327	46.140	ug/l	96
8) Diethyl Ether	2.136	74	39273	42.405	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	53471	43.766	ug/l	97
10) Methyl Iodide	2.453	142	64023	41.128	ug/l	98
11) Tert butyl alcohol	2.971	59	68292	206.209	ug/l	100
12) 1,1-Dichloroethene	2.318	96	52009	42.815	ug/l	97
13) Acrolein	2.239	56	50200	221.761	ug/l	98
14) Allyl chloride	2.666	41	93010	41.953	ug/l	97
15) Acrylonitrile	3.068	53	175550	227.064	ug/l	100
16) Acetone	2.386	43	153707	211.981	ug/l	100
17) Carbon Disulfide	2.514	76	123717	35.556	ug/l	100
18) Methyl Acetate	2.709	43	116616	46.344	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	194925	45.432	ug/l	99
20) Methylene Chloride	2.788	84	63508	44.718	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	60469	44.605	ug/l	98
22) Diisopropyl ether	3.769	45	201781	46.921	ug/l	90
23) Vinyl Acetate	3.727	43	792129	238.032	ug/l	100
24) 1,1-Dichloroethane	3.611	63	110750	45.104	ug/l	98
25) 2-Butanone	4.562	43	255158	229.787	ug/l	99
26) 2,2-Dichloropropane	4.477	77	70695	37.959	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	72369	45.021	ug/l	100
28) Bromochloromethane	4.903	49	50622	45.748	ug/l	100
29) Tetrahydrofuran	5.013	42	166407	235.705	ug/l	99
30) Chloroform	5.098	83	120094	44.594	ug/l	95
31) Cyclohexane	5.470	56	97784	48.704	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	104157	44.438	ug/l	98
36) 1,1-Dichloropropene	5.696	75	84792	46.164	ug/l	99
37) Ethyl Acetate	4.721	43	95295	46.698	ug/l	99
38) Carbon Tetrachloride	5.684	117	89942	42.086	ug/l	98
39) Methylcyclohexane	7.385	83	102608	49.927	ug/l	98
40) Benzene	6.043	78	254172	46.390	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	54632	48.375	ug/l	97
42) 1,2-Dichloroethane	6.092	62	95159	45.697	ug/l	99
43) Isopropyl Acetate	6.348	43	151229	45.998	ug/l	99
44) Trichloroethene	7.129	130	70598	46.283	ug/l	97
45) 1,2-Dichloropropane	7.433	63	64405	46.637	ug/l	97
46) Dibromomethane	7.580	93	47272	43.970	ug/l	99
47) Bromodichloromethane	7.824	83	90607	42.760	ug/l	99
48) Methyl methacrylate	7.696	41	74946	48.408	ug/l	99
49) 1,4-Dioxane	7.665	88	32530	962.433	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	525152	244.005	ug/l	100
52) Toluene	8.720	92	166314	47.640	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	86522	42.838	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	98037	44.361	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	68923	46.037	ug/l	98
56) Ethyl methacrylate	9.122	69	105123	48.893	ug/l	99
57) 1,3-Dichloropropane	9.311	76	113925	46.392	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	270231	256.859	ug/l	98
59) 2-Hexanone	9.433	43	406476	249.266	ug/l	100
60) Dibromochloromethane	9.525	129	71323	41.975	ug/l	100
61) 1,2-Dibromoethane	9.610	107	73407	45.221	ug/l	99
64) Tetrachloroethene	9.275	164	72860	48.278	ug/l	97
65) Chlorobenzene	10.079	112	185366	47.002	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	68562	44.519	ug/l	98
67) Ethyl Benzene	10.195	91	325388	48.790	ug/l	100
68) m/p-Xylenes	10.305	106	255388	98.412	ug/l	99
69) o-Xylene	10.646	106	126369	49.500	ug/l	99
70) Styrene	10.658	104	211597	49.809	ug/l	99
71) Bromoform	10.805	173	50109	39.498	ug/l #	99
73) Isopropylbenzene	10.963	105	328342	47.153	ug/l	100
74) N-amyl acetate	10.847	43	137147	48.967	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	111728	46.036	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	93263m	42.425	ug/l	
77) Bromobenzene	11.201	156	81604	45.687	ug/l	99
78) n-propylbenzene	11.305	91	375152	47.630	ug/l	100
79) 2-Chlorotoluene	11.366	91	225855	45.093	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	278960	48.303	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	24562	34.640	ug/l	87
82) 4-Chlorotoluene	11.457	91	259554	46.277	ug/l	100
83) tert-Butylbenzene	11.719	119	276061	48.767	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	280762	48.665	ug/l	99
85) sec-Butylbenzene	11.896	105	344422	50.619	ug/l	100
86) p-Isopropyltoluene	12.012	119	287363	50.289	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	152896	45.942	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	153157	45.076	ug/l	99
89) n-Butylbenzene	12.335	91	242550	50.886	ug/l	99
90) Hexachloroethane	12.542	117	43194	38.462	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	152733	48.057	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22240	40.779	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	85007	44.766	ug/l	99
94) Hexachlorobutadiene	13.725	225	33909	50.158	ug/l	99
95) Naphthalene	13.780	128	301918	46.257	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	87925	46.595	ug/l	99

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

