

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025846.D
 Acq On : 16 Dec 2021 04:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 16 07:36:21 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	5.562	168	122252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202019	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85137	48.401	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.800%		
35) Dibromofluoromethane	5.391	113	71133	50.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.980%		
50) Toluene-d8	8.653	98	271470	52.883	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	105.760%		
62) 4-Bromofluorobenzene	11.085	95	102301	52.463	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	59479	54.401	ug/l	95
3) Chloromethane	1.294	50	64609	45.382	ug/l	97
4) Vinyl Chloride	1.374	62	71783	47.402	ug/l	100
5) Bromomethane	1.599	94	43075	39.837	ug/l	98
6) Chloroethane	1.679	64	48596	44.306	ug/l	98
7) Trichlorofluoromethane	1.886	101	115339	46.110	ug/l	95
8) Diethyl Ether	2.136	74	42684	43.258	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	60284	46.312	ug/l	99
10) Methyl Iodide	2.453	142	78525	47.346	ug/l	99
11) Tert butyl alcohol	2.977	59	66384	188.139	ug/l	99
12) 1,1-Dichloroethene	2.319	96	60086	46.427	ug/l	93
13) Acrolein	2.239	56	53568	222.108	ug/l	98
14) Allyl chloride	2.666	41	96514	40.861	ug/l	99
15) Acrylonitrile	3.069	53	181408	220.233	ug/l	99
16) Acetone	2.386	43	158540	204.490	ug/l	99
17) Carbon Disulfide	2.514	76	141017	38.039	ug/l	99
18) Methyl Acetate	2.709	43	119832	44.698	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	207206	45.329	ug/l	98
20) Methylene Chloride	2.788	84	69004	45.654	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	65264	45.185	ug/l	99
22) Diisopropyl ether	3.770	45	210204	45.878	ug/l	88
23) Vinyl Acetate	3.727	43	806266	227.403	ug/l	100
24) 1,1-Dichloroethane	3.611	63	116740	44.624	ug/l	98
25) 2-Butanone	4.562	43	255118	215.643	ug/l	99
26) 2,2-Dichloropropane	4.483	77	60868	30.675	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	76294	44.548	ug/l	97
28) Bromochloromethane	4.904	49	54981	46.636	ug/l	98
29) Tetrahydrofuran	5.013	42	170715	226.959	ug/l	100
30) Chloroform	5.099	83	125792	43.842	ug/l	97
31) Cyclohexane	5.477	56	106039	49.572	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	110282	44.162	ug/l	99
36) 1,1-Dichloropropene	5.696	75	90100	47.157	ug/l	98
37) Ethyl Acetate	4.721	43	100371	47.284	ug/l	98
38) Carbon Tetrachloride	5.684	117	95892	43.135	ug/l	98
39) Methylcyclohexane	7.385	83	109896	51.405	ug/l	99
40) Benzene	6.044	78	268471	47.105	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	55113	46.913	ug/l	98
42) 1,2-Dichloroethane	6.092	62	98627	45.531	ug/l	99
43) Isopropyl Acetate	6.348	43	155485	45.464	ug/l	99
44) Trichloroethene	7.129	130	75960	47.872	ug/l	98
45) 1,2-Dichloropropane	7.434	63	67599	47.057	ug/l	96
46) Dibromomethane	7.586	93	49898	44.617	ug/l	98
47) Bromodichloromethane	7.824	83	92693	42.053	ug/l	99
48) Methyl methacrylate	7.696	41	76197	47.312	ug/l	100
49) 1,4-Dioxane	7.659	88	33868	963.271	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	531911	237.589	ug/l	100
52) Toluene	8.720	92	177226	48.803	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	86036	40.950	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	100944	43.911	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	72491	46.548	ug/l	96
56) Ethyl methacrylate	9.116	69	109806	49.096	ug/l	99
57) 1,3-Dichloropropane	9.311	76	119158	46.647	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	277625	253.876	ug/l	100
59) 2-Hexanone	9.433	43	407488	240.224	ug/l	100
60) Dibromochloromethane	9.525	129	74003	41.868	ug/l	100
61) 1,2-Dibromoethane	9.610	107	77365	45.816	ug/l	100
64) Tetrachloroethene	9.275	164	76216	49.355	ug/l	98
65) Chlorobenzene	10.079	112	195255	48.385	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	70515	44.748	ug/l	99
67) Ethyl Benzene	10.195	91	340754	49.935	ug/l	99
68) m/p-Xylenes	10.305	106	268880	101.260	ug/l	100
69) o-Xylene	10.646	106	132478	50.715	ug/l	99
70) Styrene	10.659	104	221613	50.983	ug/l	99
71) Bromoform	10.799	173	51752	39.867	ug/l	100
73) Isopropylbenzene	10.963	105	344546	49.696	ug/l	99
74) N-amyl acetate	10.848	43	136893	49.090	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	109927	45.493	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	94028m	42.960	ug/l	
77) Bromobenzene	11.201	156	84667	47.609	ug/l	98
78) n-propylbenzene	11.305	91	389942	49.724	ug/l	100
79) 2-Chlorotoluene	11.366	91	236776	47.480	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	288295	50.138	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	22069	31.260	ug/l #	86
82) 4-Chlorotoluene	11.457	91	268749	48.126	ug/l	100
83) tert-Butylbenzene	11.719	119	281400	49.928	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	286986	49.962	ug/l	99
85) sec-Butylbenzene	11.890	105	357893	52.829	ug/l	100
86) p-Isopropyltoluene	12.012	119	297821	52.347	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	160441	48.420	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	158368	46.813	ug/l	98
89) n-Butylbenzene	12.335	91	244783	51.579	ug/l	100
90) Hexachloroethane	12.542	117	43017	38.472	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	158899	50.216	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22367	41.192	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	91410	48.079	ug/l	100
94) Hexachlorobutadiene	13.725	225	36646	54.443	ug/l	99
95) Naphthalene	13.780	128	321782	49.346	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	93149	49.388	ug/l	99

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

