

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX050922\
 Data File : VX028581.D
 Acq On : 09 May 2022 19:48
 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 05/10/2022
 Supervised By : Mahesh Dadoda 05/10/2022

Quant Time: May 10 04:57:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	379491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	582414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	527531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	291334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	211106	42.664	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	85.320%		
35) Dibromofluoromethane	5.391	113	198596	48.623	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.240%		
50) Toluene-d8	8.653	98	672793	42.887	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	85.780%		
62) 4-Bromofluorobenzene	11.079	95	268827	44.818	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	139832	57.081	ug/l	99
3) Chloromethane	1.288	50	125676	50.933	ug/l	99
4) Vinyl Chloride	1.374	62	159214	41.617	ug/l	99
5) Bromomethane	1.599	94	145499	41.255	ug/l	100
6) Chloroethane	1.679	64	116169	41.883	ug/l	99
7) Trichlorofluoromethane	1.886	101	305622	36.227	ug/l	96
8) Diethyl Ether	2.130	74	121428	47.768	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	174517	56.789	ug/l	95
10) Methyl Iodide	2.453	142	222879	52.714	ug/l	99
11) Tert butyl alcohol	2.965	59	228482	240.749	ug/l	99
12) 1,1-Dichloroethene	2.319	96	155635	53.364	ug/l	95
13) Acrolein	2.233	56	121589	200.503	ug/l	100
14) Allyl chloride	2.666	41	225231	46.024	ug/l	94
15) Acrylonitrile	3.062	53	505236	250.557	ug/l	99
16) Acetone	2.380	43	410252	271.574	ug/l	97
17) Carbon Disulfide	2.514	76	259500	33.041	ug/l	99
18) Methyl Acetate	2.703	43	221735	50.400	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	618131	50.826	ug/l	98
20) Methylene Chloride	2.788	84	186680	50.847	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	168072	42.375	ug/l	92
22) Diisopropyl ether	3.764	45	534999	47.998	ug/l	93
23) Vinyl Acetate	3.721	43	2285549	234.708	ug/l	100
24) 1,1-Dichloroethane	3.611	63	319920	48.610	ug/l	100
25) 2-Butanone	4.556	43	683780	233.335	ug/l	98
26) 2,2-Dichloropropane	4.477	77	259188	40.335	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	221618	46.860	ug/l	92
28) Bromochloromethane	4.904	49	117904	41.756	ug/l	86
29) Tetrahydrofuran	5.001	42	427213	223.581	ug/l	100
30) Chloroform	5.099	83	363972	46.050	ug/l	99
31) Cyclohexane	5.471	56	230455	38.228	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	315650	44.103	ug/l	98
36) 1,1-Dichloropropene	5.696	75	235862	44.270	ug/l	97
37) Ethyl Acetate	4.715	43	262672	48.589	ug/l	100
38) Carbon Tetrachloride	5.678	117	262789	43.693	ug/l	98
39) Methylcyclohexane	7.385	83	251672	37.438	ug/l	96
40) Benzene	6.044	78	720167	46.178	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	140276	50.294	ug/l	99
42) 1,2-Dichloroethane	6.086	62	265717	45.899	ug/l	99
43) Isopropyl Acetate	6.342	43	428507	48.704	ug/l	98
44) Trichloroethene	7.129	130	217881	48.177	ug/l	97
45) 1,2-Dichloropropane	7.434	63	187176	49.033	ug/l	100
46) Dibromomethane	7.580	93	143075	47.779	ug/l	97
47) Bromodichloromethane	7.824	83	269252	46.783	ug/l	98
48) Methyl methacrylate	7.696	41	195169	48.316	ug/l	94
49) 1,4-Dioxane	7.659	88	100420	929.283	ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	1366580	242.045	ug/l	97
52) Toluene	8.720	92	488559	45.092	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	281759	46.064	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	306020	46.590	ug/l #	92
55) 1,1,2-Trichloroethane	9.153	97	219397	49.838	ug/l	99
56) Ethyl methacrylate	9.116	69	322448	50.530	ug/l #	92
57) 1,3-Dichloropropane	9.311	76	343163	48.296	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	676757	226.032	ug/l	93
59) 2-Hexanone	9.433	43	1062748	242.999	ug/l	95
60) Dibromochloromethane	9.525	129	228941	47.704	ug/l	96
61) 1,2-Dibromoethane	9.610	107	227037	47.010	ug/l	97
64) Tetrachloroethene	9.275	164	207677	50.401	ug/l	97
65) Chlorobenzene	10.080	112	567570	50.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	219520	52.394	ug/l	99
67) Ethyl Benzene	10.195	91	960643	50.936	ug/l	97
68) m/p-Xylenes	10.305	106	765342	99.708	ug/l	95
69) o-Xylene	10.647	106	390299	51.000	ug/l	94
70) Styrene	10.659	104	654739	52.809	ug/l	99
71) Bromoform	10.799	173	171520	44.766	ug/l #	99
73) Isopropylbenzene	10.964	105	1001491	50.014	ug/l	99
74) N-amyl acetate	10.842	43	381008	55.050	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	349202	53.740	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	308703m	53.841	ug/l	
77) Bromobenzene	11.201	156	270226	51.816	ug/l	89
78) n-propylbenzene	11.305	91	1108014	49.901	ug/l	96
79) 2-Chlorotoluene	11.366	91	680329	49.282	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	834556	49.098	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	90921	47.124	ug/l	89
82) 4-Chlorotoluene	11.457	91	786485	49.459	ug/l	95
83) tert-Butylbenzene	11.713	119	862979	49.719	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	844919	50.005	ug/l	97
85) sec-Butylbenzene	11.890	105	1012669	48.360	ug/l	97
86) p-Isopropyltoluene	12.012	119	870955	48.212	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	509493	51.994	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	518613	50.405	ug/l	98
89) n-Butylbenzene	12.335	91	715177	48.213	ug/l	97
90) Hexachloroethane	12.543	117	138317	42.822	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	517642	53.176	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	74407	51.489	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	321224	55.481	ug/l	100
94) Hexachlorobutadiene	13.725	225	135560	52.470	ug/l	94
95) Naphthalene	13.774	128	1135202	58.858	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	326954	57.531	ug/l	96

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

