

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031722\
 Data File : VX027485.D
 Acq On : 17 Mar 2022 13:23
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 17 14:44:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 14:43:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	318788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	500074	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	491530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	235439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	206729	55.609	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.220%			
35) Dibromofluoromethane	5.391	113	173538	53.781	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.560%			
50) Toluene-d8	8.653	98	677479	55.613	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 111.220%			
62) 4-Bromofluorobenzene	11.085	95	245101	52.790	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	169590	51.898	ug/l	98
3) Chloromethane	1.294	50	145902	42.460	ug/l	97
4) Vinyl Chloride	1.374	62	168768	47.787	ug/l	99
5) Bromomethane	1.599	94	82253	53.060	ug/l	98
6) Chloroethane	1.678	64	103717	46.996	ug/l	95
7) Trichlorofluoromethane	1.880	101	273718	55.656	ug/l	98
8) Diethyl Ether	2.136	74	102742	53.614	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	162627	50.579	ug/l	95
10) Methyl Iodide	2.447	142	223745	49.300	ug/l	96
11) Tert butyl alcohol	2.971	59	208011	285.420	ug/l	99
12) 1,1-Dichloroethene	2.319	96	153501	49.660	ug/l	98
13) Acrolein	2.233	56	152823	299.152	ug/l	96
14) Allyl chloride	2.660	41	245426	50.620	ug/l	94
15) Acrylonitrile	3.068	53	457492	238.527	ug/l	98
16) Acetone	2.379	43	406170	248.732	ug/l	92
17) Carbon Disulfide	2.508	76	393929	46.908	ug/l	99
18) Methyl Acetate	2.709	43	199571	48.835	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	527599	51.517	ug/l	99
20) Methylene Chloride	2.788	84	170489	46.943	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	164126	47.771	ug/l	98
22) Diisopropyl ether	3.763	45	481215	49.648	ug/l #	88
23) Vinyl Acetate	3.727	43	2134317	263.220	ug/l	96
24) 1,1-Dichloroethane	3.611	63	290864	49.422	ug/l	99
25) 2-Butanone	4.562	43	644034	251.505	ug/l	98
26) 2,2-Dichloropropane	4.477	77	240942	57.098	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	193456	48.533	ug/l	98
28) Bromochloromethane	4.897	49	119545	48.818	ug/l	95
29) Tetrahydrofuran	5.007	42	417461	246.383	ug/l	93
30) Chloroform	5.099	83	318528	51.278	ug/l	99
31) Cyclohexane	5.470	56	258871	49.783	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	291029	54.817	ug/l	99
36) 1,1-Dichloropropene	5.696	75	230535	51.458	ug/l	99
37) Ethyl Acetate	4.721	43	244018	51.672	ug/l	98
38) Carbon Tetrachloride	5.678	117	266723	57.575	ug/l	99
39) Methylcyclohexane	7.385	83	287984	50.905	ug/l	96
40) Benzene	6.043	78	666900	48.874	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	133128	52.286	ug/l	94
42) 1,2-Dichloroethane	6.092	62	256823	57.617	ug/l	96
43) Isopropyl Acetate	6.342	43	379479	53.306	ug/l	97
44) Trichloroethene	7.129	130	196524	52.438	ug/l	97
45) 1,2-Dichloropropane	7.433	63	168336	49.235	ug/l	98
46) Dibromomethane	7.586	93	129097	53.071	ug/l	99
47) Bromodichloromethane	7.824	83	249189	55.471	ug/l	100
48) Methyl methacrylate	7.696	41	195859	55.326	ug/l	88
49) 1,4-Dioxane	7.665	88	100827	1087.651	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	1288467	270.338	ug/l	96
52) Toluene	8.720	92	473474	54.430	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	272666	59.157	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	284075	54.905	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	198610	54.710	ug/l	100
56) Ethyl methacrylate	9.116	69	303453	56.670	ug/l	95
57) 1,3-Dichloropropane	9.311	76	314013	53.582	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	698627	258.410	ug/l	98
59) 2-Hexanone	9.433	43	992925	269.697	ug/l	95
60) Dibromochloromethane	9.525	129	217618	58.735	ug/l	97
61) 1,2-Dibromoethane	9.610	107	213331	56.904	ug/l	99
64) Tetrachloroethene	9.275	164	195065	56.630	ug/l	97
65) Chlorobenzene	10.079	112	527354	50.996	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	198909	55.016	ug/l	99
67) Ethyl Benzene	10.195	91	902086	50.584	ug/l	98
68) m/p-Xylenes	10.305	106	700809	100.186	ug/l	100
69) o-Xylene	10.646	106	344538	49.888	ug/l	98
70) Styrene	10.658	104	575148	50.171	ug/l	99
71) Bromoform	10.799	173	159622	54.060	ug/l #	100
73) Isopropylbenzene	10.963	105	903407	52.466	ug/l	100
74) N-amyl acetate	10.841	43	328865	52.256	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	279856	47.295	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	265141m	51.328	ug/l	
77) Bromobenzene	11.201	156	228199	52.518	ug/l	95
78) n-propylbenzene	11.305	91	1008296	52.057	ug/l	98
79) 2-Chlorotoluene	11.366	91	619825	51.203	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	769052	52.095	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	88450	55.377	ug/l	91
82) 4-Chlorotoluene	11.457	91	706261	51.574	ug/l	99
83) tert-Butylbenzene	11.719	119	761764	51.623	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	767252	52.403	ug/l	99
85) sec-Butylbenzene	11.890	105	929933	52.251	ug/l	99
86) p-Isopropyltoluene	12.012	119	800966	53.157	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	418010	51.206	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	417620	50.529	ug/l	99
89) n-Butylbenzene	12.335	91	669755	53.066	ug/l	97
90) Hexachloroethane	12.542	117	128543	54.734	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	406075	50.452	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	65055	52.474	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	258132	48.859	ug/l	99
94) Hexachlorobutadiene	13.725	225	114740	49.529	ug/l	94
95) Naphthalene	13.780	128	876829	49.437	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	258137	48.893	ug/l	95

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

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