

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028153.D
 Acq On : 19 Apr 2022 12:19
 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 04/20/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 19 12:47:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 12:44:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	300568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	488991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	483818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	279285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	188910	46.275	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 92.560%			
35) Dibromofluoromethane	5.385	113	163856	50.418	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.840%			
50) Toluene-d8	8.653	98	638739	52.541	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.080%			
62) 4-Bromofluorobenzene	11.079	95	249324	54.669	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	86309	31.266	ug/l	98
3) Chloromethane	1.294	50	97571	31.775	ug/l	100
4) Vinyl Chloride	1.374	62	135503	36.219	ug/l	98
5) Bromomethane	1.599	94	146876	35.722	ug/l	99
6) Chloroethane	1.678	64	107000	33.246	ug/l	97
7) Trichlorofluoromethane	1.886	101	300804	40.295	ug/l	97
8) Diethyl Ether	2.130	74	100927	35.602	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	98186	33.745	ug/l	96
10) Methyl Iodide	2.453	142	148517	43.421	ug/l	96
11) Tert butyl alcohol	2.965	59	174267	190.945	ug/l	100
12) 1,1-Dichloroethene	2.319	96	93803	32.931	ug/l	98
13) Acrolein	2.233	56	130375	235.675	ug/l	98
14) Allyl chloride	2.666	41	178279	35.136	ug/l	89
15) Acrylonitrile	3.062	53	385389	201.762	ug/l	99
16) Acetone	2.380	43	275807	169.113	ug/l	92
17) Carbon Disulfide	2.514	76	277176	37.015	ug/l	98
18) Methyl Acetate	2.703	43	155747	35.564	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	477560	43.493	ug/l	100
20) Methylene Chloride	2.788	84	126717	38.440	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	149592	42.493	ug/l	96
22) Diisopropyl ether	3.763	45	423873	38.883	ug/l	90
23) Vinyl Acetate	3.721	43	1904284	197.394	ug/l	99
24) 1,1-Dichloroethane	3.611	63	236568	39.878	ug/l	99
25) 2-Butanone	4.556	43	556951	195.448	ug/l	100
26) 2,2-Dichloropropane	4.477	77	242793	43.487	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	177136	44.405	ug/l	96
28) Bromochloromethane	4.897	49	110602	43.150	ug/l	94
29) Tetrahydrofuran	5.007	42	359370	193.783	ug/l	99
30) Chloroform	5.099	83	301196	44.797	ug/l	99
31) Cyclohexane	5.470	56	229533	41.978	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	276502	45.263	ug/l	99
36) 1,1-Dichloropropene	5.696	75	210958	43.705	ug/l	97
37) Ethyl Acetate	4.708	43	215957	39.135	ug/l	100
38) Carbon Tetrachloride	5.684	117	246690	47.278	ug/l	99
39) Methylcyclohexane	7.385	83	268657	46.663	ug/l	98
40) Benzene	6.044	78	633472	45.040	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	110875	37.746	ug/l	97
42) 1,2-Dichloroethane	6.092	62	231665	43.815	ug/l	99
43) Isopropyl Acetate	6.336	43	346942	37.843	ug/l	98
44) Trichloroethene	7.129	130	180646	47.821	ug/l	99
45) 1,2-Dichloropropane	7.434	63	151265	42.939	ug/l	97
46) Dibromomethane	7.580	93	118319	45.171	ug/l	96
47) Bromodichloromethane	7.824	83	235551	46.480	ug/l	97
48) Methyl methacrylate	7.696	41	159466	37.897	ug/l	91
49) 1,4-Dioxane	7.659	88	88430	924.434	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	1125956	192.925	ug/l	96
52) Toluene	8.720	92	441565	46.802	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	259378	45.656	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	269816	45.559	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	176916	46.217	ug/l	98
56) Ethyl methacrylate	9.116	69	265422	44.563	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	283257	44.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	643867	237.744	ug/l	94
59) 2-Hexanone	9.433	43	884900	194.687	ug/l	95
60) Dibromochloromethane	9.525	129	203073	49.284	ug/l	96
61) 1,2-Dibromoethane	9.610	107	201303	47.942	ug/l	99
64) Tetrachloroethene	9.275	164	175398	45.941	ug/l	97
65) Chlorobenzene	10.079	112	494849	47.055	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	185635	47.675	ug/l	99
67) Ethyl Benzene	10.195	91	857729	46.607	ug/l	97
68) m/p-Xylenes	10.305	106	707762	91.765	ug/l	94
69) o-Xylene	10.646	106	347009	46.216	ug/l	97
70) Styrene	10.659	104	577404	44.785	ug/l	99
71) Bromoform	10.799	173	152807	47.353	ug/l #	99
73) Isopropylbenzene	10.963	105	896761	45.761	ug/l	99
74) N-amyl acetate	10.848	43	311677	38.300	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	286926	42.347	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	262022m	43.298	ug/l	
77) Bromobenzene	11.201	156	229296	47.489	ug/l	93
78) n-propylbenzene	11.305	91	1026134	45.278	ug/l	96
79) 2-Chlorotoluene	11.366	91	621351	44.992	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	787924	46.498	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	90204	42.538	ug/l	95
82) 4-Chlorotoluene	11.457	91	727416	44.924	ug/l	95
83) tert-Butylbenzene	11.719	119	794610	48.117	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	794630	47.797	ug/l	98
85) sec-Butylbenzene	11.890	105	971597	46.466	ug/l	97
86) p-Isopropyltoluene	12.012	119	856439	48.070	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	452132	48.040	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	463062	46.875	ug/l	100
89) n-Butylbenzene	12.335	91	702468	46.473	ug/l	98
90) Hexachloroethane	12.542	117	143304	48.261	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	446385	47.515	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	65800	44.079	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	260532	49.514	ug/l	99
94) Hexachlorobutadiene	13.725	225	112425	52.093	ug/l	93
95) Naphthalene	13.780	128	915217	49.968	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	260692	49.881	ug/l	96

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

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