

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051922\
 Data File : VX028840.D
 Acq On : 19 May 2022 20:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/20/2022
 Supervised By : Mahesh Dadoda 05/20/2022

Quant Time: May 20 01:51:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	245053	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	409098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	374674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	192075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	164405	48.943	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.880%		
35) Dibromofluoromethane	5.391	113	127053	47.402	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.800%		
50) Toluene-d8	8.653	98	453612	44.888	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.780%		
62) 4-Bromofluorobenzene	11.079	95	178184	47.208	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.420%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	138775	43.249	ug/l	99
3) Chloromethane	1.288	50	121020	40.048	ug/l	100
4) Vinyl Chloride	1.374	62	132250	40.611	ug/l	99
5) Bromomethane	1.605	94	57539	21.873	ug/l	98
6) Chloroethane	1.685	64	90543	43.868	ug/l	99
7) Trichlorofluoromethane	1.886	101	236571	45.565	ug/l	96
8) Diethyl Ether	2.136	74	80542	42.573	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	118841	43.497	ug/l	96
10) Methyl Iodide	2.453	142	95916	29.323	ug/l	93
11) Tert butyl alcohol	2.995	59	151318	211.020	ug/l	99
12) 1,1-Dichloroethene	2.319	96	110732	43.661	ug/l	96
13) Acrolein	2.240	56	95548	173.296	ug/l	97
14) Allyl chloride	2.666	41	175257	43.085	ug/l	89
15) Acrylonitrile	3.063	53	350053	216.291	ug/l	99
16) Acetone	2.380	43	316847	219.781	ug/l	90
17) Carbon Disulfide	2.514	76	270245	41.106	ug/l	100
18) Methyl Acetate	2.703	43	162667	45.050	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	416737	46.304	ug/l	98
20) Methylene Chloride	2.788	84	129419	42.790	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	123050	43.073	ug/l	96
22) Diisopropyl ether	3.764	45	383395	44.106	ug/l	92
23) Vinyl Acetate	3.721	43	1712544	228.530	ug/l	96
24) 1,1-Dichloroethane	3.611	63	226604	44.841	ug/l	99
25) 2-Butanone	4.556	43	493613	218.131	ug/l	94
26) 2,2-Dichloropropane	4.483	77	161263	40.699	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	144760	43.387	ug/l	99
28) Bromochloromethane	4.904	49	96091	45.174	ug/l	96
29) Tetrahydrofuran	5.007	42	315747	214.658	ug/l	94
30) Chloroform	5.099	83	251720	46.025	ug/l	99
31) Cyclohexane	5.477	56	193594	41.520	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	224638	47.048	ug/l	99
36) 1,1-Dichloropropene	5.696	75	175737	43.652	ug/l	99
37) Ethyl Acetate	4.715	43	191630	45.573	ug/l	98
38) Carbon Tetrachloride	5.678	117	198074	48.889	ug/l	96
39) Methylcyclohexane	7.385	83	200600	43.449	ug/l	93
40) Benzene	6.044	78	506648	43.789	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	104550	46.372	ug/l	92
42) 1,2-Dichloroethane	6.092	62	208543	48.865	ug/l	97
43) Isopropyl Acetate	6.342	43	298225	45.334	ug/l	96
44) Trichloroethene	7.129	130	140789	44.867	ug/l	94
45) 1,2-Dichloropropane	7.434	63	130073	45.059	ug/l	96
46) Dibromomethane	7.580	93	99814	46.300	ug/l	93
47) Bromodichloromethane	7.824	83	197175	49.264	ug/l	99
48) Methyl methacrylate	7.696	41	152864	48.103	ug/l	85
49) 1,4-Dioxane	7.678	88	67583	851.296	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	982728	226.795	ug/l	94
52) Toluene	8.720	92	335956	45.138	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	192649	42.083	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	208720	46.346	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	139013	45.804	ug/l	99
56) Ethyl methacrylate	9.116	69	215708	46.934	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	232419	45.404	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	550495	244.651	ug/l	99
59) 2-Hexanone	9.433	43	764016	226.946	ug/l	91
60) Dibromochloromethane	9.525	129	147312	49.769	ug/l	97
61) 1,2-Dibromoethane	9.610	107	148608	46.620	ug/l	99
64) Tetrachloroethene	9.275	164	124021	43.833	ug/l	96
65) Chlorobenzene	10.080	112	363355	45.714	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	139835	49.663	ug/l	98
67) Ethyl Benzene	10.195	91	654746	45.957	ug/l	100
68) m/p-Xylenes	10.305	106	500069	90.157	ug/l	96
69) o-Xylene	10.640	106	247037	45.237	ug/l	95
70) Styrene	10.659	104	415850	46.891	ug/l	96
71) Bromoform	10.799	173	102983	44.353	ug/l #	98
73) Isopropylbenzene	10.964	105	652175	44.774	ug/l	99
74) N-amyl acetate	10.848	43	258251	45.103	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.214	83	226321	45.291	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	201164m	44.721	ug/l	
77) Bromobenzene	11.201	156	154364	44.789	ug/l	96
78) n-propylbenzene	11.305	91	753543	44.724	ug/l	100
79) 2-Chlorotoluene	11.366	91	460250	44.568	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	561789	46.287	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	47108	32.694	ug/l #	81
82) 4-Chlorotoluene	11.457	91	536475	44.937	ug/l	99
83) tert-Butylbenzene	11.720	119	558648	47.539	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	562786	46.240	ug/l	99
85) sec-Butylbenzene	11.890	105	669976	46.220	ug/l	100
86) p-Isopropyltoluene	12.012	119	567867	46.687	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	300111	44.395	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	299965	42.780	ug/l	98
89) n-Butylbenzene	12.335	91	478469	45.401	ug/l	98
90) Hexachloroethane	12.543	117	89765	45.636	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	297460	44.793	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	53226	49.884	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	179234	46.730	ug/l	98
94) Hexachlorobutadiene	13.725	225	72204	46.338	ug/l	96
95) Naphthalene	13.774	128	682278	49.988	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	187756	48.739	ug/l	94

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

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