

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032023\
 Data File : VX034642.D
 Acq On : 20 Mar 2023 21:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2023
 Supervised By : Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 01:49:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	252072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	484966	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	396636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	209173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	193736	52.830	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.660%			
35) Dibromofluoromethane	5.385	113	147525	46.073	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.140%			
50) Toluene-d8	8.647	98	546849	45.749	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.500%#			
62) 4-Bromofluorobenzene	11.079	95	224197	46.435	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	131046	55.765	ug/l	100
3) Chloromethane	1.307	50	181675	51.065	ug/l	99
4) Vinyl Chloride	1.374	62	166882	52.154	ug/l	99
5) Bromomethane	1.599	94	89493	55.433	ug/l	99
6) Chloroethane	1.678	64	106800	57.970	ug/l	97
7) Trichlorofluoromethane	1.880	101	263844	54.877	ug/l	100
8) Diethyl Ether	2.130	74	103272	58.840	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	139697	49.857	ug/l	100
10) Methyl Iodide	2.447	142	198789	54.038	ug/l	98
11) Tert butyl alcohol	2.959	59	191518	250.791	ug/l	100
12) 1,1-Dichloroethene	2.319	96	137044	49.662	ug/l	99
13) Acrolein	2.233	56	182945	302.827	ug/l	98
14) Allyl chloride	2.660	41	270589	48.367	ug/l	99
15) Acrylonitrile	3.062	53	434248	263.239	ug/l	99
16) Acetone	2.379	43	384894	222.816	ug/l	97
17) Carbon Disulfide	2.508	76	351661	45.283	ug/l	99
18) Methyl Acetate	2.703	43	313293	55.506	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	500540	50.660	ug/l	99
20) Methylene Chloride	2.788	84	162277	48.404	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	149056	50.862	ug/l	96
22) Diisopropyl ether	3.757	45	541286	50.746	ug/l	98
23) Vinyl Acetate	3.721	43	2046139	252.051	ug/l	100
24) 1,1-Dichloroethane	3.605	63	287110	50.073	ug/l	98
25) 2-Butanone	4.550	43	623138	252.111	ug/l	100
26) 2,2-Dichloropropane	4.471	77	217166	43.572	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	177562	50.331	ug/l	99
28) Bromochloromethane	4.897	49	134218	50.343	ug/l	99
29) Tetrahydrofuran	5.001	42	406232	266.352	ug/l	99
30) Chloroform	5.092	83	293575	52.233	ug/l	99
31) Cyclohexane	5.470	56	258373	50.238	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	255664	51.383	ug/l	99
36) 1,1-Dichloropropene	5.690	75	217910	44.308	ug/l	99
37) Ethyl Acetate	4.708	43	246787	45.933	ug/l	100
38) Carbon Tetrachloride	5.678	117	214698	43.883	ug/l	99
39) Methylcyclohexane	7.379	83	269493	45.789	ug/l	93
40) Benzene	6.037	78	632974	43.996	ug/l	99

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41) Methacrylonitrile	4.916	41	135065	45.870	ug/l	99
42) 1,2-Dichloroethane	6.086	62	251699	47.602	ug/l	99
43) Isopropyl Acetate	6.336	43	412409	45.310	ug/l	100
44) Trichloroethene	7.123	130	177861	47.580	ug/l	97
45) 1,2-Dichloropropane	7.427	63	183419	48.826	ug/l	99
46) Dibromomethane	7.580	93	127974	50.109	ug/l	99
47) Bromodichloromethane	7.824	83	253348	51.256	ug/l	98
48) Methyl methacrylate	7.689	41	231692	52.928	ug/l	97
49) 1,4-Dioxane	7.659	88	103143	1121.793	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	1256895	238.044	ug/l	99
52) Toluene	8.720	92	405149	45.486	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	247947	44.527	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	280592	46.575	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	164361	46.496	ug/l	99
56) Ethyl methacrylate	9.116	69	269737	46.475	ug/l	98
57) 1,3-Dichloropropane	9.305	76	284961	45.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	689856	230.635	ug/l	100
59) 2-Hexanone	9.427	43	975654	239.037	ug/l	99
60) Dibromochloromethane	9.518	129	168653	45.491	ug/l	98
61) 1,2-Dibromoethane	9.610	107	174732	45.806	ug/l	99
64) Tetrachloroethene	9.275	164	133792	50.216	ug/l	97
65) Chlorobenzene	10.079	112	429991	49.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	158275	49.936	ug/l	100
67) Ethyl Benzene	10.195	91	796178	51.104	ug/l	98
68) m/p-Xylenes	10.299	106	605277	101.137	ug/l	98
69) o-Xylene	10.640	106	298953	49.776	ug/l	97
70) Styrene	10.652	104	499696	51.569	ug/l	100
71) Bromoform	10.799	173	120730	49.484	ug/l #	100
73) Isopropylbenzene	10.963	105	784379	48.519	ug/l	100
74) N-amyl acetate	10.841	43	399096	51.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	269509	49.958	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	222163m	46.256	ug/l	
77) Bromobenzene	11.195	156	185171	47.740	ug/l	98
78) n-propylbenzene	11.305	91	925620	49.576	ug/l	99
79) 2-Chlorotoluene	11.366	91	568107	49.268	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	670796	49.469	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	77317	43.550	ug/l	92
82) 4-Chlorotoluene	11.451	91	661555	49.809	ug/l	100
83) tert-Butylbenzene	11.713	119	654588	47.879	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	681953	49.209	ug/l	99
85) sec-Butylbenzene	11.890	105	797690	47.725	ug/l	100
86) p-Isopropyltoluene	12.012	119	668927	47.619	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	360456	47.430	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	366978	47.756	ug/l	100
89) n-Butylbenzene	12.335	91	589204	47.181	ug/l	99
90) Hexachloroethane	12.536	117	117562	45.228	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	363015	49.427	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	61320	50.030	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	215959	47.021	ug/l	99
94) Hexachlorobutadiene	13.725	225	83203	44.968	ug/l	99
95) Naphthalene	13.774	128	766282	49.754	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	211931	47.206	ug/l	100

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

