

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035429.D
 Acq On : 01 May 2023 10:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 01 23:53:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	241693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	384367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	348711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	155005	53.159	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.320%			
35) Dibromofluoromethane	5.379	113	128732	54.568	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.140%			
50) Toluene-d8	8.647	98	457778	51.439	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.880%			
62) 4-Bromofluorobenzene	11.079	95	180588	53.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	112667	44.055	ug/l	100
3) Chloromethane	1.294	50	97325	41.834	ug/l	99
4) Vinyl Chloride	1.374	62	99320	42.565	ug/l	99
5) Bromomethane	1.618	94	62735	40.451	ug/l	99
6) Chloroethane	1.691	64	60523	44.349	ug/l	99
7) Trichlorofluoromethane	1.886	101	164983	45.214	ug/l	99
8) Diethyl Ether	2.130	74	64449	48.442	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	110411	45.303	ug/l	95
10) Methyl Iodide	2.453	142	123563	40.172	ug/l	98
11) Tert butyl alcohol	3.014	59	119640	225.343	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	106913	45.545	ug/l	94
13) Acrolein	2.239	56	138063	264.424	ug/l	98
14) Allyl chloride	2.666	41	194807	47.157	ug/l	98
15) Acrylonitrile	3.068	53	323770	243.822	ug/l	99
16) Acetone	2.392	43	319099	251.970	ug/l	97
17) Carbon Disulfide	2.514	76	257120	45.691	ug/l	99
18) Methyl Acetate	2.703	43	242724	49.564	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	415523	51.596	ug/l	97
20) Methylene Chloride	2.788	84	132682	45.692	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	119459	46.856	ug/l	92
22) Diisopropyl ether	3.757	45	397167	48.584	ug/l	91
23) Vinyl Acetate	3.721	43	1448279	257.742	ug/l	98
24) 1,1-Dichloroethane	3.605	63	223878	48.620	ug/l	99
25) 2-Butanone	4.562	43	446002	241.283	ug/l	94
26) 2,2-Dichloropropane	4.471	77	182002	50.452	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	148067	49.408	ug/l	93
28) Bromochloromethane	4.891	49	103227	52.606	ug/l	84
29) Tetrahydrofuran	5.007	42	274583	231.725	ug/l	95
30) Chloroform	5.086	83	236136	50.799	ug/l	96
31) Cyclohexane	5.464	56	179800	43.469	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	200624	49.248	ug/l	96
36) 1,1-Dichloropropene	5.690	75	162992	44.247	ug/l	97
37) Ethyl Acetate	4.708	43	167182	49.691	ug/l	96
38) Carbon Tetrachloride	5.678	117	172541	49.341	ug/l	98
39) Methylcyclohexane	7.379	83	194004	43.267	ug/l	97
40) Benzene	6.037	78	498331	47.159	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	96114	49.857	ug/l	97
42) 1,2-Dichloroethane	6.080	62	187746	49.830	ug/l	97
43) Isopropyl Acetate	6.336	43	286907	50.751	ug/l	94
44) Trichloroethene	7.123	130	139722	47.997	ug/l	96
45) 1,2-Dichloropropane	7.427	63	131024	49.181	ug/l	99
46) Dibromomethane	7.580	93	93178	50.931	ug/l	92
47) Bromodichloromethane	7.818	83	180741	53.621	ug/l	99
48) Methyl methacrylate	7.690	41	142658	51.444	ug/l	92
49) 1,4-Dioxane	7.714	88	55556	821.896	ug/l #	79
51) 4-Methyl-2-Pentanone	8.568	43	846855	243.827	ug/l	96
52) Toluene	8.714	92	320878	47.905	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	201677	57.292	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	220725	55.475	ug/l #	89
55) 1,1,2-Trichloroethane	9.147	97	136307	51.047	ug/l	97
56) Ethyl methacrylate	9.116	69	211388	53.143	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	226951	49.691	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	484803	243.749	ug/l	94
59) 2-Hexanone	9.427	43	633518	242.800	ug/l	93
60) Dibromochloromethane	9.519	129	146987	57.453	ug/l	99
61) 1,2-Dibromoethane	9.610	107	142651	51.822	ug/l	100
64) Tetrachloroethene	9.269	164	121052	45.338	ug/l	98
65) Chlorobenzene	10.079	112	356187	47.212	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	136918	52.146	ug/l	99
67) Ethyl Benzene	10.195	91	618874	47.368	ug/l	100
68) m/p-Xylenes	10.299	106	470992	94.078	ug/l	100
69) o-Xylene	10.640	106	236366	48.147	ug/l	100
70) Styrene	10.653	104	404595	50.830	ug/l	97
71) Bromoform	10.799	173	106056	58.071	ug/l #	98
73) Isopropylbenzene	10.963	105	609977	47.203	ug/l	99
74) N-amyl acetate	10.841	43	247352	50.935	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	194802	48.568	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	163730m	46.431	ug/l	
77) Bromobenzene	11.195	156	161510	50.280	ug/l	90
78) n-propylbenzene	11.305	91	688263	46.375	ug/l	99
79) 2-Chlorotoluene	11.366	91	429819	46.347	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	521775	47.887	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	57470	52.784	ug/l	96
82) 4-Chlorotoluene	11.451	91	501442	48.141	ug/l	98
83) tert-Butylbenzene	11.713	119	515720	47.172	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	531384	48.537	ug/l	99
85) sec-Butylbenzene	11.890	105	607919	45.333	ug/l	100
86) p-Isopropyltoluene	12.006	119	536922	47.076	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	299887	49.125	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	299248	46.754	ug/l	99
89) n-Butylbenzene	12.335	91	441899	45.897	ug/l	98
90) Hexachloroethane	12.536	117	86261	49.407	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	293399	48.055	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	42039	52.270	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	191671	49.943	ug/l	100
94) Hexachlorobutadiene	13.725	225	74438	44.195	ug/l	97
95) Naphthalene	13.774	128	623388	52.764	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	186440	48.259	ug/l	99

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

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