

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020924\
 Data File : VX040179.D
 Acq On : 09 Feb 2024 17:19
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

Quant Time: Feb 10 05:47:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 10 05:39:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	83975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	138825	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60551	48.468	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.940%		
35) Dibromofluoromethane	5.385	113	47456	48.950	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.900%		
50) Toluene-d8	8.653	98	179901	49.607	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.220%		
62) 4-Bromofluorobenzene	11.079	95	73694	49.826	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50037	52.750	ug/l	95
3) Chloromethane	1.294	50	47293	48.349	ug/l	94
4) Vinyl Chloride	1.374	62	53079	51.349	ug/l	98
5) Bromomethane	1.599	94	32958	56.500	ug/l	97
6) Chloroethane	1.678	64	32065	49.185	ug/l	97
7) Trichlorofluoromethane	1.886	101	82984	49.989	ug/l	100
8) Diethyl Ether	2.136	74	29644	47.537	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	44336	49.790	ug/l	97
10) Methyl Iodide	2.453	142	51859	52.458	ug/l	92
11) Tert butyl alcohol	2.965	59	60003	246.576	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	42191	49.211	ug/l	89
13) Acrolein	2.233	56	52458	243.556	ug/l	99
14) Allyl chloride	2.660	41	73017	49.076	ug/l	97
15) Acrylonitrile	3.062	53	138113	253.661	ug/l	99
16) Acetone	2.380	43	124532	242.706	ug/l	93
17) Carbon Disulfide	2.508	76	106548	47.073	ug/l	100
18) Methyl Acetate	2.703	43	68481	49.787	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	154520	51.158	ug/l	98
20) Methylene Chloride	2.788	84	48742	50.695	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	46170	47.284	ug/l	91
22) Diisopropyl ether	3.763	45	153899	51.003	ug/l	92
23) Vinyl Acetate	3.721	43	691513	257.075	ug/l	98
24) 1,1-Dichloroethane	3.605	63	86886	49.432	ug/l	98
25) 2-Butanone	4.556	43	200637	250.158	ug/l	94
26) 2,2-Dichloropropane	4.471	77	68631	50.723	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	54460	48.891	ug/l	95
28) Bromochloromethane	4.897	49	38665	51.812	ug/l	87
29) Tetrahydrofuran	5.007	42	130768	250.262	ug/l	95
30) Chloroform	5.099	83	94319	49.632	ug/l	99
31) Cyclohexane	5.470	56	72326	48.537	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	80711	50.485	ug/l	99
36) 1,1-Dichloropropene	5.696	75	67813	49.933	ug/l	98
37) Ethyl Acetate	4.721	43	74317	49.180	ug/l	98
38) Carbon Tetrachloride	5.672	117	65715	50.892	ug/l	98
39) Methylcyclohexane	7.379	83	79562	50.411	ug/l	98
40) Benzene	6.037	78	193755	51.018	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	40808	51.659	ug/l	91
42) 1,2-Dichloroethane	6.086	62	77856	52.448	ug/l	98
43) Isopropyl Acetate	6.342	43	121223	51.389	ug/l	98
44) Trichloroethene	7.129	130	52535	50.149	ug/l	99
45) 1,2-Dichloropropane	7.427	63	51050	51.644	ug/l	99
46) Dibromomethane	7.586	93	38658	53.100	ug/l	97
47) Bromodichloromethane	7.824	83	72811	51.905	ug/l	96
48) Methyl methacrylate	7.696	41	63445	52.563	ug/l	92
49) 1,4-Dioxane	7.659	88	26370	1004.246	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	421407	261.654	ug/l	99
52) Toluene	8.720	92	128947	51.836	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	79312	47.575	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	83454	53.084	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	53061	50.010	ug/l	94
56) Ethyl methacrylate	9.116	69	85895	54.078	ug/l	96
57) 1,3-Dichloropropane	9.311	76	89085	51.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	198030	263.552	ug/l	99
59) 2-Hexanone	9.427	43	338506	265.095	ug/l	99
60) Dibromochloromethane	9.518	129	57956	53.615	ug/l	99
61) 1,2-Dibromoethane	9.610	107	58484	51.858	ug/l	99
64) Tetrachloroethene	9.275	164	45009	47.315	ug/l	99
65) Chlorobenzene	10.079	112	138863	49.015	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	51040	52.017	ug/l	99
67) Ethyl Benzene	10.195	91	259402	51.410	ug/l	98
68) m/p-Xylenes	10.299	106	194340	101.981	ug/l	96
69) o-Xylene	10.640	106	96188	51.942	ug/l	97
70) Styrene	10.652	104	160917	52.266	ug/l	98
71) Bromoform	10.799	173	43311	47.103	ug/l #	99
73) Isopropylbenzene	10.963	105	257219	49.323	ug/l	99
74) N-amyl acetate	10.841	43	117533	52.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	92329	49.279	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	76478m	51.006	ug/l	
77) Bromobenzene	11.201	156	60872	49.420	ug/l	96
78) n-propylbenzene	11.305	91	316447	50.121	ug/l	98
79) 2-Chlorotoluene	11.366	91	187895	49.283	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	226922	51.686	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	24831	46.753	ug/l	97
82) 4-Chlorotoluene	11.451	91	221725	49.084	ug/l	99
83) tert-Butylbenzene	11.713	119	214458	49.823	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	223412	50.298	ug/l	100
85) sec-Butylbenzene	11.890	105	277408	50.148	ug/l	99
86) p-Isopropyltoluene	12.006	119	231614	51.078	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	121736	49.882	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	123715	47.869	ug/l	99
89) n-Butylbenzene	12.335	91	220518	50.379	ug/l	97
90) Hexachloroethane	12.536	117	37431	52.333	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	116671	49.383	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22555	52.159	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	78549	48.563	ug/l	97
94) Hexachlorobutadiene	13.725	225	30181	46.753	ug/l	97
95) Naphthalene	13.774	128	258140	50.531	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	76574	49.667	ug/l	98

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

