

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035464.D
 Acq On : 02 May 2023 01:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 02 02:45:31 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	240836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	406550	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129361	44.522	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.040%		
35) Dibromofluoromethane	5.385	113	107439	43.057	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.120%		
50) Toluene-d8	8.647	98	385758	40.981	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	81.960%#		
62) 4-Bromofluorobenzene	11.079	95	149237	42.145	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	107957	42.364	ug/l	98
3) Chloromethane	1.294	50	99752	43.029	ug/l	98
4) Vinyl Chloride	1.373	62	100668	43.296	ug/l	98
5) Bromomethane	1.617	94	63471	41.072	ug/l	96
6) Chloroethane	1.690	64	58288	42.863	ug/l	99
7) Trichlorofluoromethane	1.886	101	155920	42.882	ug/l	99
8) Diethyl Ether	2.129	74	62230	46.941	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	96990	39.938	ug/l	94
10) Methyl Iodide	2.453	142	120888	39.442	ug/l	97
11) Tert butyl alcohol	3.001	59	132471m	250.398	ug/l	
12) 1,1-Dichloroethene	2.318	96	101945	43.583	ug/l	94
13) Acrolein	2.239	56	135178	259.820	ug/l	100
14) Allyl chloride	2.666	41	186885	45.400	ug/l	97
15) Acrylonitrile	3.068	53	329986	249.387	ug/l	100
16) Acetone	2.392	43	271487	215.137	ug/l	98
17) Carbon Disulfide	2.513	76	232408	41.447	ug/l	99
18) Methyl Acetate	2.702	43	250430	51.319	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	418482	52.148	ug/l	98
20) Methylene Chloride	2.788	84	130535	45.113	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	116992	46.052	ug/l	97
22) Diisopropyl ether	3.757	45	402051	49.357	ug/l	96
23) Vinyl Acetate	3.721	43	1450471	259.050	ug/l	98
24) 1,1-Dichloroethane	3.611	63	226826	49.435	ug/l	100
25) 2-Butanone	4.562	43	438693	238.173	ug/l	96
26) 2,2-Dichloropropane	4.477	77	147766	41.107	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	145702	48.792	ug/l	93
28) Bromochloromethane	4.897	49	104224	53.303	ug/l	84
29) Tetrahydrofuran	5.007	42	289659	245.318	ug/l	94
30) Chloroform	5.092	83	238763	51.547	ug/l	97
31) Cyclohexane	5.470	56	166922	40.499	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	200222	49.324	ug/l	96
36) 1,1-Dichloropropene	5.696	75	163427	41.945	ug/l	99
37) Ethyl Acetate	4.714	43	170270	47.847	ug/l	95
38) Carbon Tetrachloride	5.678	117	165619	44.777	ug/l	96
39) Methylcyclohexane	7.378	83	167877	35.397	ug/l	99
40) Benzene	6.037	78	512376	45.842	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	101347	49.703	ug/l	97
42) 1,2-Dichloroethane	6.086	62	191010	47.930	ug/l	98
43) Isopropyl Acetate	6.336	43	302569	50.601	ug/l	95
44) Trichloroethene	7.122	130	140683	45.690	ug/l	95
45) 1,2-Dichloropropane	7.427	63	136490	48.438	ug/l	99
46) Dibromomethane	7.580	93	95352	49.276	ug/l	92
47) Bromodichloromethane	7.824	83	179756	50.419	ug/l	98
48) Methyl methacrylate	7.689	41	150245	51.223	ug/l	91
49) 1,4-Dioxane	7.714	88	66225	926.276	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	905405	246.461	ug/l	96
52) Toluene	8.720	92	330746	46.684	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	197068	52.928	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	214193	50.896	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	138372	48.993	ug/l	97
56) Ethyl methacrylate	9.116	69	217853	51.779	ug/l	90
57) 1,3-Dichloropropane	9.305	76	234381	48.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	549357	261.134	ug/l	94
59) 2-Hexanone	9.433	43	668148	242.100	ug/l	93
60) Dibromochloromethane	9.518	129	145467	53.756	ug/l	99
61) 1,2-Dibromoethane	9.610	107	145386	49.933	ug/l	99
64) Tetrachloroethene	9.274	164	117153	42.311	ug/l	98
65) Chlorobenzene	10.079	112	360528	46.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	137984	50.676	ug/l	99
67) Ethyl Benzene	10.195	91	623753	46.037	ug/l	99
68) m/p-Xylenes	10.299	106	482225	92.883	ug/l	97
69) o-Xylene	10.640	106	240591	47.258	ug/l	100
70) Styrene	10.652	104	401606	48.653	ug/l	97
71) Bromoform	10.799	173	104331	55.087	ug/l #	100
73) Isopropylbenzene	10.963	105	601221	47.274	ug/l	100
74) N-amyl acetate	10.841	43	256573	53.683	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	198917	50.392	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	164433m	47.380	ug/l	
77) Bromobenzene	11.201	156	156895	49.629	ug/l	91
78) n-propylbenzene	11.305	91	664290	45.480	ug/l	99
79) 2-Chlorotoluene	11.366	91	422014	46.237	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	506572	47.239	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	54181	50.564	ug/l	98
82) 4-Chlorotoluene	11.451	91	484736	47.286	ug/l	97
83) tert-Butylbenzene	11.713	119	492531	45.776	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	513557	47.663	ug/l	99
85) sec-Butylbenzene	11.890	105	560827	42.493	ug/l	100
86) p-Isopropyltoluene	12.012	119	486142	43.309	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	282176	46.968	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	286067	45.414	ug/l	99
89) n-Butylbenzene	12.335	91	382011	40.315	ug/l	99
90) Hexachloroethane	12.536	117	80732	46.984	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	283491	47.179	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	41428	52.339	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	168429	44.593	ug/l	99
94) Hexachlorobutadiene	13.725	225	58912	35.539	ug/l	99
95) Naphthalene	13.774	128	598677	51.488	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	168089	44.209	ug/l	98

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

