

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035244.D
 Acq On : 21 Apr 2023 20:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2023
 Supervised By : Mahesh Dadoda 04/24/2023

Quant Time: Apr 22 01:08:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	250389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	411703	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	182588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	166658	43.521	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.040%		
35) Dibromofluoromethane	5.385	113	138209	50.755	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.500%		
50) Toluene-d8	8.647	98	499666	49.713	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.420%		
62) 4-Bromofluorobenzene	11.079	95	195967	50.384	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.760%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	149041	59.680	ug/l	99
3) Chloromethane	1.294	50	136337	43.603	ug/l	99
4) Vinyl Chloride	1.374	62	137051	44.267	ug/l	98
5) Bromomethane	1.617	94	89661	44.567	ug/l	97
6) Chloroethane	1.691	64	77105	38.279	ug/l	97
7) Trichlorofluoromethane	1.886	101	203367	40.860	ug/l	100
8) Diethyl Ether	2.130	74	78276	44.610	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	133468	51.306	ug/l	96
10) Methyl Iodide	2.453	142	173117	53.438	ug/l	97
11) Tert butyl alcohol	3.007	59	140787	209.545	ug/l #	81
12) 1,1-Dichloroethene	2.319	96	130792	50.882	ug/l	98
13) Acrolein	2.239	56	156167	225.796	ug/l	98
14) Allyl chloride	2.666	41	234299	46.525	ug/l	97
15) Acrylonitrile	3.068	53	388373	256.803	ug/l	100
16) Acetone	2.398	43	323188	207.757	ug/l	98
17) Carbon Disulfide	2.514	76	313212	48.652	ug/l	99
18) Methyl Acetate	2.709	43	285370	51.631	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	474392	49.846	ug/l	99
20) Methylene Chloride	2.788	84	153670	50.060	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	142543	50.846	ug/l	98
22) Diisopropyl ether	3.757	45	485383	47.768	ug/l	97
23) Vinyl Acetate	3.721	43	1752556	241.836	ug/l	99
24) 1,1-Dichloroethane	3.611	63	267682	48.961	ug/l	99
25) 2-Butanone	4.562	43	519568	229.609	ug/l	97
26) 2,2-Dichloropropane	4.477	77	197848	44.005	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	169545	51.039	ug/l	95
28) Bromochloromethane	4.897	49	111417	41.660	ug/l	90
29) Tetrahydrofuran	5.013	42	338832	239.023	ug/l	98
30) Chloroform	5.092	83	270380	48.691	ug/l	97
31) Cyclohexane	5.470	56	238936	51.243	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	237288	50.074	ug/l	98
36) 1,1-Dichloropropene	5.696	75	202046	50.082	ug/l	98
37) Ethyl Acetate	4.714	43	205686	48.759	ug/l	97
38) Carbon Tetrachloride	5.678	117	201512	52.980	ug/l	98
39) Methylcyclohexane	7.379	83	251694	58.752	ug/l	98
40) Benzene	6.037	78	601471	51.936	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	118205	51.525	ug/l	98
42) 1,2-Dichloroethane	6.086	62	213717	46.418	ug/l	97
43) Isopropyl Acetate	6.342	43	347822	49.284	ug/l	97
44) Trichloroethene	7.123	130	162298	54.900	ug/l	98
45) 1,2-Dichloropropane	7.427	63	155139	51.408	ug/l	99
46) Dibromomethane	7.580	93	103353	49.775	ug/l	92
47) Bromodichloromethane	7.824	83	199153	51.925	ug/l	99
48) Methyl methacrylate	7.696	41	172074	49.648	ug/l	93
49) 1,4-Dioxane	7.732	88	63153	884.177	ug/l #	80
51) 4-Methyl-2-Pentanone	8.573	43	1036554	248.168	ug/l	97
52) Toluene	8.720	92	381013	50.459	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	220571	53.458	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	243072	53.832	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	150468	52.650	ug/l	97
56) Ethyl methacrylate	9.116	69	240835	53.785	ug/l	92
57) 1,3-Dichloropropane	9.305	76	257295	50.837	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	590348	258.933	ug/l	96
59) 2-Hexanone	9.433	43	765049	242.167	ug/l	96
60) Dibromochloromethane	9.518	129	155994	57.300	ug/l	98
61) 1,2-Dibromoethane	9.610	107	159929	53.816	ug/l	99
64) Tetrachloroethene	9.275	164	140149	53.378	ug/l	98
65) Chlorobenzene	10.079	112	409639	53.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	147475	56.184	ug/l	98
67) Ethyl Benzene	10.195	91	725881	52.491	ug/l	100
68) m/p-Xylenes	10.299	106	555534	105.167	ug/l	99
69) o-Xylene	10.640	106	279820	54.074	ug/l	96
70) Styrene	10.652	104	461927	55.918	ug/l	97
71) Bromoform	10.799	173	107608	60.276	ug/l #	99
73) Isopropylbenzene	10.963	105	718296	53.706	ug/l	100
74) N-amyl acetate	10.841	43	301476	50.134	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	223012	50.875	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	208254m	56.606	ug/l	
77) Bromobenzene	11.195	156	176559	53.277	ug/l	93
78) n-propylbenzene	11.305	91	823297	53.287	ug/l	99
79) 2-Chlorotoluene	11.366	91	495711	50.816	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	610512	54.595	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	60271	49.097	ug/l	98
82) 4-Chlorotoluene	11.451	91	571283	50.431	ug/l	98
83) tert-Butylbenzene	11.713	119	602622	57.387	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	610545	53.688	ug/l	100
85) sec-Butylbenzene	11.890	105	745214	58.333	ug/l	100
86) p-Isopropyltoluene	12.006	119	635507	59.658	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	329466	54.590	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	333878	52.967	ug/l	99
89) n-Butylbenzene	12.335	91	537015	57.700	ug/l	99
90) Hexachloroethane	12.536	117	102249	61.952	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	324714	53.721	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	47252	51.642	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	209886	61.394	ug/l	99
94) Hexachlorobutadiene	13.725	225	87027	57.878	ug/l	98
95) Naphthalene	13.774	128	696656	57.350	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	203999	59.172	ug/l	99

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

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