

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032379.D
 Acq On : 25 Oct 2022 21:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 14:19:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	123172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	196294	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84712	52.868	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.740%			
35) Dibromofluoromethane	5.385	113	69037	50.542	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.080%			
50) Toluene-d8	8.653	98	243425	49.507	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.020%			
62) 4-Bromofluorobenzene	11.079	95	95639	53.117	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51691	45.872	ug/l	97
3) Chloromethane	1.294	50	48539	44.266	ug/l	97
4) Vinyl Chloride	1.374	62	54365	44.795	ug/l	97
5) Bromomethane	1.611	94	65719	51.719	ug/l	99
6) Chloroethane	1.685	64	38179	34.888	ug/l	96
7) Trichlorofluoromethane	1.886	101	108587	50.330	ug/l	100
8) Diethyl Ether	2.136	74	37339	50.927	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	58351	49.886	ug/l	98
10) Methyl Iodide	2.453	142	59067	34.944	ug/l	98
11) Tert butyl alcohol	2.977	59	59393	264.540	ug/l	96
12) 1,1-Dichloroethene	2.319	96	52661	47.900	ug/l	97
13) Acrolein	2.233	56	35886	183.976	ug/l	98
14) Allyl chloride	2.666	41	88491	51.248	ug/l	98
15) Acrylonitrile	3.062	53	155099	258.088	ug/l	99
16) Acetone	2.380	43	136998	263.462	ug/l	97
17) Carbon Disulfide	2.514	76	107058	41.595	ug/l	99
18) Methyl Acetate	2.703	43	95274	53.969	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	202113	53.350	ug/l	98
20) Methylene Chloride	2.794	84	62118	46.524	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	57809	48.278	ug/l	98
22) Diisopropyl ether	3.763	45	197621	52.264	ug/l	90
23) Vinyl Acetate	3.721	43	784702	259.650	ug/l	99
24) 1,1-Dichloroethane	3.611	63	111571	51.069	ug/l	99
25) 2-Butanone	4.556	43	215959	266.008	ug/l	99
26) 2,2-Dichloropropane	4.477	77	77531	49.256	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	71469	50.976	ug/l	99
28) Bromochloromethane	4.903	49	43662	48.441	ug/l	99
29) Tetrahydrofuran	5.007	42	138018	263.217	ug/l	99
30) Chloroform	5.099	83	125451	52.757	ug/l	100
31) Cyclohexane	5.470	56	86691	47.325	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	108917	53.712	ug/l	99
36) 1,1-Dichloropropene	5.696	75	84527	48.106	ug/l	100
37) Ethyl Acetate	4.714	43	85926	49.946	ug/l	100
38) Carbon Tetrachloride	5.678	117	97253	52.431	ug/l	99
39) Methylcyclohexane	7.385	83	97278	46.344	ug/l	99
40) Benzene	6.037	78	245525	48.212	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	49407	54.463	ug/l	98
42) 1,2-Dichloroethane	6.092	62	102925	52.765	ug/l	99
43) Isopropyl Acetate	6.342	43	144810	53.630	ug/l	99
44) Trichloroethene	7.129	130	67412	48.070	ug/l	99
45) 1,2-Dichloropropane	7.433	63	64919	50.533	ug/l	98
46) Dibromomethane	7.586	93	48508	50.625	ug/l	99
47) Bromodichloromethane	7.824	83	95680	54.056	ug/l	98
48) Methyl methacrylate	7.696	41	74126	55.046	ug/l	97
49) 1,4-Dioxane	7.677	88	28581	1057.555	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	459068	271.220	ug/l	100
52) Toluene	8.720	92	161596	48.984	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	96776	48.574	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	101737	51.583	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	69378	51.769	ug/l	100
56) Ethyl methacrylate	9.116	69	103784	53.771	ug/l	99
57) 1,3-Dichloropropane	9.311	76	112870	51.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	211070	238.585	ug/l	100
59) 2-Hexanone	9.433	43	343714	272.150	ug/l	99
60) Dibromochloromethane	9.525	129	77120	56.149	ug/l	99
61) 1,2-Dibromoethane	9.610	107	74047	52.121	ug/l	99
64) Tetrachloroethene	9.275	164	56377	47.354	ug/l	99
65) Chlorobenzene	10.079	112	182069	49.254	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	70289	53.142	ug/l	99
67) Ethyl Benzene	10.195	91	324453	49.576	ug/l	100
68) m/p-Xylenes	10.305	106	252092	97.538	ug/l	99
69) o-Xylene	10.640	106	124667	50.351	ug/l	99
70) Styrene	10.659	104	210794	50.486	ug/l	99
71) Bromoform	10.799	173	55560	49.533	ug/l #	100
73) Isopropylbenzene	10.963	105	338018	48.849	ug/l	100
74) N-amyl acetate	10.841	43	133763	52.325	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	110340	49.600	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	97118m	50.543	ug/l	
77) Bromobenzene	11.201	156	82679	48.747	ug/l	99
78) n-propylbenzene	11.305	91	389823	49.200	ug/l	100
79) 2-Chlorotoluene	11.366	91	235721	49.363	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	294161	49.217	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28635	47.002	ug/l	98
82) 4-Chlorotoluene	11.457	91	277395	49.895	ug/l	99
83) tert-Butylbenzene	11.713	119	295899	49.481	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	294485	50.678	ug/l	99
85) sec-Butylbenzene	11.890	105	360647	49.903	ug/l	99
86) p-Isopropyltoluene	12.012	119	311433	50.645	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	158184	48.455	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	159649	47.608	ug/l	99
89) n-Butylbenzene	12.335	91	268335	49.543	ug/l	99
90) Hexachloroethane	12.542	117	49740	52.127	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	158196	49.363	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24393	57.393	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	101125	48.471	ug/l	99
94) Hexachlorobutadiene	13.725	225	40786	45.043	ug/l	99
95) Naphthalene	13.774	128	339628	50.827	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	100351	47.822	ug/l	100

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

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