

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033202.D
 Acq On : 02 Dec 2022 21:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 03 04:37:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	126569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202826	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58680	47.275	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.560%		
35) Dibromofluoromethane	5.391	113	51586	45.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.220%		
50) Toluene-d8	8.647	98	153953	44.511	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.020%#		
62) 4-Bromofluorobenzene	11.079	95	70084	46.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.320%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	40005	41.371	ug/l	97
3) Chloromethane	1.294	50	43533	41.702	ug/l	97
4) Vinyl Chloride	1.374	62	52405	45.086	ug/l	99
5) Bromomethane	1.617	94	40209	46.651	ug/l	99
6) Chloroethane	1.691	64	47316	50.004	ug/l	96
7) Trichlorofluoromethane	1.886	101	115057	51.003	ug/l	99
8) Diethyl Ether	2.136	74	38832	54.676	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	60932	51.389	ug/l	99
10) Methyl Iodide	2.453	142	60538	44.600	ug/l	99
11) Tert butyl alcohol	3.026	59	44475	227.622	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	56474	51.130	ug/l	92
13) Acrolein	2.239	56	83229	370.838	ug/l	98
14) Allyl chloride	2.666	41	90337	50.660	ug/l	99
15) Acrylonitrile	3.068	53	151534	274.192	ug/l	99
16) Acetone	2.392	43	131538	228.506	ug/l	99
17) Carbon Disulfide	2.514	76	125515	41.131	ug/l	98
18) Methyl Acetate	2.709	43	87797	55.098	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	208608	54.458	ug/l	100
20) Methylene Chloride	2.788	84	62396	52.149	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	62760	49.673	ug/l	98
22) Diisopropyl ether	3.763	45	218082	56.165	ug/l	99
23) Vinyl Acetate	3.721	43	833188	274.130	ug/l	99
24) 1,1-Dichloroethane	3.611	63	118233	53.212	ug/l	99
25) 2-Butanone	4.562	43	214825	270.641	ug/l	99
26) 2,2-Dichloropropane	4.477	77	87818	49.154	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	76877	53.553	ug/l	100
28) Bromochloromethane	4.904	49	50826	52.059	ug/l	100
29) Tetrahydrofuran	5.013	42	140499	278.947	ug/l	100
30) Chloroform	5.092	83	135270	54.356	ug/l	96
31) Cyclohexane	5.470	56	100210	50.176	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	119807	53.758	ug/l	99
36) 1,1-Dichloropropene	5.696	75	92236	50.448	ug/l	99
37) Ethyl Acetate	4.715	43	87924	55.121	ug/l	98
38) Carbon Tetrachloride	5.678	117	103427	50.993	ug/l	98
39) Methylcyclohexane	7.385	83	103798	49.757	ug/l	100
40) Benzene	6.037	78	269976	52.665	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	50273	56.012	ug/l	97
42) 1,2-Dichloroethane	6.092	62	111151	53.852	ug/l	100
43) Isopropyl Acetate	6.342	43	145490	55.151	ug/l	99
44) Trichloroethene	7.129	130	72927	50.698	ug/l	97
45) 1,2-Dichloropropane	7.434	63	69151	54.585	ug/l	99
46) Dibromomethane	7.586	93	52126	52.732	ug/l	98
47) Bromodichloromethane	7.824	83	106064	55.529	ug/l	99
48) Methyl methacrylate	7.696	41	75215	55.391	ug/l	97
49) 1,4-Dioxane	7.708	88	31196	1248.046	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	467299	287.068	ug/l	99
52) Toluene	8.720	92	179490	53.221	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	106182	51.684	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	111685	54.238	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	75284	54.828	ug/l	99
56) Ethyl methacrylate	9.116	69	109357	57.804	ug/l	95
57) 1,3-Dichloropropane	9.311	76	121782	54.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	237634	264.517	ug/l	100
59) 2-Hexanone	9.433	43	344437	286.432	ug/l	98
60) Dibromochloromethane	9.519	129	82378	55.724	ug/l	100
61) 1,2-Dibromoethane	9.610	107	80015	55.210	ug/l	97
64) Tetrachloroethene	9.275	164	63933	47.674	ug/l	96
65) Chlorobenzene	10.079	112	197149	52.194	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	74777	54.029	ug/l	99
67) Ethyl Benzene	10.195	91	358542	53.511	ug/l	99
68) m/p-Xylenes	10.299	106	278168	106.017	ug/l	100
69) o-Xylene	10.640	106	135091	53.212	ug/l	100
70) Styrene	10.652	104	231182	55.662	ug/l	98
71) Bromoform	10.799	173	57436	54.126	ug/l #	99
73) Isopropylbenzene	10.963	105	365541	52.227	ug/l	99
74) N-amyl acetate	10.841	43	129811	54.521	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	111957	52.999	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	101843m	54.904	ug/l	
77) Bromobenzene	11.201	156	87809	51.013	ug/l	98
78) n-propylbenzene	11.305	91	422224	52.763	ug/l	100
79) 2-Chlorotoluene	11.366	91	249210	51.275	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	311187	52.926	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	29979	52.534	ug/l	99
82) 4-Chlorotoluene	11.457	91	293916	51.605	ug/l	100
83) tert-Butylbenzene	11.713	119	308276	52.672	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	305365	52.086	ug/l	99
85) sec-Butylbenzene	11.890	105	368782	52.668	ug/l	100
86) p-Isopropyltoluene	12.012	119	314180	52.960	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	163416	50.616	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	165283	49.987	ug/l	99
89) n-Butylbenzene	12.335	91	267005	52.244	ug/l	100
90) Hexachloroethane	12.536	117	51406	52.743	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	163507	52.061	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23337	55.370	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	99589	51.441	ug/l	98
94) Hexachlorobutadiene	13.725	225	39736	46.523	ug/l	98
95) Naphthalene	13.774	128	339244	54.166	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	99139	51.065	ug/l	100

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

