

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111822\
 Data File : VX032916.D
 Acq On : 18 Nov 2022 11:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2022
 Supervised By : Mahesh Dadoda 11/21/2022

Quant Time: Nov 19 03:02:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	90489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140213	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69642	55.389	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.780%			
35) Dibromofluoromethane	5.385	113	58801	58.792	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.580%			
50) Toluene-d8	8.647	98	186229	53.549	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.100%			
62) 4-Bromofluorobenzene	11.079	95	79484	58.509	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	44893	43.015	ug/l	95
3) Chloromethane	1.294	50	37217	42.167	ug/l	98
4) Vinyl Chloride	1.374	62	43344	44.622	ug/l	96
5) Bromomethane	1.618	94	47138	60.724	ug/l	96
6) Chloroethane	1.691	64	39471	60.570	ug/l	99
7) Trichlorofluoromethane	1.892	101	91863	49.911	ug/l	99
8) Diethyl Ether	2.130	74	31093	52.130	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	52562	54.107	ug/l	100
10) Methyl Iodide	2.453	142	56511	52.212	ug/l	99
11) Tert butyl alcohol	2.983	59	38074	208.052	ug/l #	85
12) 1,1-Dichloroethene	2.319	96	44667	49.221	ug/l	97
13) Acrolein	2.233	56	61090	334.389	ug/l	99
14) Allyl chloride	2.666	41	76207	52.680	ug/l	100
15) Acrylonitrile	3.062	53	124174	250.021	ug/l	100
16) Acetone	2.386	43	136863	299.496	ug/l	98
17) Carbon Disulfide	2.514	76	89280	41.305	ug/l	97
18) Methyl Acetate	2.703	43	83567	56.235	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	185155	58.051	ug/l	100
20) Methylene Chloride	2.788	84	54812	52.313	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	49014	49.620	ug/l	99
22) Diisopropyl ether	3.757	45	185656	59.334	ug/l	97
23) Vinyl Acetate	3.715	43	690728	273.235	ug/l	100
24) 1,1-Dichloroethane	3.605	63	99820	55.462	ug/l	99
25) 2-Butanone	4.556	43	182966	258.431	ug/l	97
26) 2,2-Dichloropropane	4.471	77	84731	59.224	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	64083	56.125	ug/l	98
28) Bromochloromethane	4.891	49	31730	49.495	ug/l	99
29) Tetrahydrofuran	5.001	42	106764	236.487	ug/l	98
30) Chloroform	5.086	83	116292	58.885	ug/l	98
31) Cyclohexane	5.471	56	74924	49.147	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	102931	58.081	ug/l	100
36) 1,1-Dichloropropene	5.690	75	74147	53.237	ug/l	99
37) Ethyl Acetate	4.708	43	70518	48.642	ug/l	99
38) Carbon Tetrachloride	5.678	117	88239	57.121	ug/l	99
39) Methylcyclohexane	7.379	83	83447	50.640	ug/l	98
40) Benzene	6.037	78	215310	54.630	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	40559	54.919	ug/l	98
42) 1,2-Dichloroethane	6.080	62	94531	58.675	ug/l	100
43) Isopropyl Acetate	6.336	43	121728	54.686	ug/l	99
44) Trichloroethene	7.123	130	61152	55.117	ug/l	98
45) 1,2-Dichloropropane	7.427	63	58778	58.097	ug/l	98
46) Dibromomethane	7.580	93	44949	57.931	ug/l	99
47) Bromodichloromethane	7.818	83	93742	63.746	ug/l	97
48) Methyl methacrylate	7.690	41	62082	54.002	ug/l	99
49) 1,4-Dioxane	7.690	88	19916	909.045	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	374988	267.454	ug/l	99
52) Toluene	8.720	92	145263	56.492	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	93345	62.213	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	97060	60.481	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	65857	60.814	ug/l	98
56) Ethyl methacrylate	9.116	69	92852	59.581	ug/l	99
57) 1,3-Dichloropropane	9.305	76	103299	59.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	219030	291.888	ug/l	99
59) 2-Hexanone	9.427	43	280844	269.952	ug/l	99
60) Dibromochloromethane	9.519	129	74927	63.345	ug/l	99
61) 1,2-Dibromoethane	9.610	107	67814	59.100	ug/l	100
64) Tetrachloroethene	9.275	164	52679	56.412	ug/l	97
65) Chlorobenzene	10.079	112	163862	57.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	66548	61.870	ug/l	100
67) Ethyl Benzene	10.195	91	292807	57.293	ug/l	99
68) m/p-Xylenes	10.299	106	228713	115.249	ug/l	99
69) o-Xylene	10.640	106	113602	58.877	ug/l	99
70) Styrene	10.653	104	191018	59.569	ug/l	100
71) Bromoform	10.799	173	53410	62.803	ug/l #	97
73) Isopropylbenzene	10.963	105	309491	54.773	ug/l	100
74) N-amyl acetate	10.842	43	113654	53.235	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	98424	54.267	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	85863m	54.125	ug/l	
77) Bromobenzene	11.195	156	76583	55.284	ug/l	99
78) n-propylbenzene	11.305	91	356321	54.734	ug/l	100
79) 2-Chlorotoluene	11.366	91	214839	55.105	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	267340	55.359	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26970	54.097	ug/l	99
82) 4-Chlorotoluene	11.457	91	252886	55.433	ug/l	99
83) tert-Butylbenzene	11.713	119	271267	56.264	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	265995	55.380	ug/l	100
85) sec-Butylbenzene	11.890	105	321629	55.441	ug/l	99
86) p-Isopropyltoluene	12.012	119	276744	56.219	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	146707	56.144	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	148327	54.716	ug/l	99
89) n-Butylbenzene	12.335	91	239177	55.849	ug/l	100
90) Hexachloroethane	12.536	117	45942	57.138	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	148447	57.615	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19672	49.469	ug/l	100
93) 1,2,4-Trichlorobenzene	13.591	180	92657	55.153	ug/l	98
94) Hexachlorobutadiene	13.725	225	39709	56.595	ug/l	98
95) Naphthalene	13.774	128	291336	52.044	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	93175	54.560	ug/l	99

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

