

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033496.D
 Acq On : 19 Dec 2022 20:08
 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 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 05:03:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	125202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37152	46.254	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.500%		
35) Dibromofluoromethane	5.391	113	43941	49.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.620%		
50) Toluene-d8	8.647	98	97202	52.144	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.280%		
62) 4-Bromofluorobenzene	11.079	95	78909	55.362	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	40685	46.519	ug/l	97
3) Chloromethane	1.295	50	44518	44.024	ug/l	99
4) Vinyl Chloride	1.374	62	50520	43.754	ug/l	99
5) Bromomethane	1.618	94	42619	50.297	ug/l	94
6) Chloroethane	1.685	64	39532	45.138	ug/l	97
7) Trichlorofluoromethane	1.886	101	81317	37.513	ug/l	98
8) Diethyl Ether	2.130	74	28566	36.485	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	61742	53.694	ug/l	99
10) Methyl Iodide	2.453	142	70349	55.860	ug/l	98
11) Tert butyl alcohol	2.977	59	62605m	254.939	ug/l	
12) 1,1-Dichloroethene	2.319	96	56939	50.164	ug/l	94
13) Acrolein	2.239	56	88501	332.296	ug/l	99
14) Allyl chloride	2.666	41	90241	49.784	ug/l	96
15) Acrylonitrile	3.063	53	154830	254.527	ug/l	99
16) Acetone	2.386	43	135879	228.615	ug/l	98
17) Carbon Disulfide	2.514	76	123827	42.505	ug/l	99
18) Methyl Acetate	2.703	43	93144	54.135	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	210017	53.416	ug/l	99
20) Methylene Chloride	2.788	84	64638	48.764	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	63254	50.944	ug/l	99
22) Diisopropyl ether	3.757	45	207327	53.386	ug/l	92
23) Vinyl Acetate	3.721	43	798860	265.021	ug/l	98
24) 1,1-Dichloroethane	3.611	63	115245	50.505	ug/l	100
25) 2-Butanone	4.556	43	216647	253.937	ug/l	100
26) 2,2-Dichloropropane	4.477	77	90241	53.777	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	77297	52.091	ug/l	97
28) Bromochloromethane	4.904	49	47097	49.306	ug/l	92
29) Tetrahydrofuran	5.001	42	140671	254.489	ug/l	97
30) Chloroform	5.099	83	133765	52.804	ug/l	99
31) Cyclohexane	5.471	56	97059	50.846	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	118042	54.158	ug/l	98
36) 1,1-Dichloropropene	5.696	75	90420	52.046	ug/l	98
37) Ethyl Acetate	4.709	43	85391	51.996	ug/l	99
38) Carbon Tetrachloride	5.678	117	103575	53.211	ug/l	99
39) Methylcyclohexane	7.379	83	103625	53.289	ug/l	97
40) Benzene	6.038	78	270368	53.375	ug/l	99

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41) Methacrylonitrile	4.916	41	47509	52.498	ug/l	97
42) 1,2-Dichloroethane	6.086	62	103962	51.684	ug/l	98
43) Isopropyl Acetate	6.336	43	139432	52.767	ug/l	97
44) Trichloroethene	7.123	130	76335	54.658	ug/l	100
45) 1,2-Dichloropropane	7.428	63	68258	52.690	ug/l	98
46) Dibromomethane	7.580	93	51358	52.042	ug/l	98
47) Bromodichloromethane	7.824	83	102043	53.045	ug/l	99
48) Methyl methacrylate	7.690	41	72366	53.064	ug/l	93
49) 1,4-Dioxane	7.690	88	32351	1040.294	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	454342	271.895	ug/l	95
52) Toluene	8.720	92	184877	56.449	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	105743	51.110	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	113298	55.347	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	77978	56.641	ug/l	97
56) Ethyl methacrylate	9.116	69	111578	57.563	ug/l #	91
57) 1,3-Dichloropropane	9.311	76	122557	55.416	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	248496	280.179	ug/l	97
59) 2-Hexanone	9.433	43	334314	271.484	ug/l	95
60) Dibromochloromethane	9.525	129	84968	56.017	ug/l	100
61) 1,2-Dibromoethane	9.610	107	83205	56.819	ug/l	98
64) Tetrachloroethene	9.275	164	65019	50.255	ug/l	97
65) Chlorobenzene	10.080	112	203851	53.204	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	78770	54.402	ug/l	99
67) Ethyl Benzene	10.195	91	364769	54.647	ug/l	99
68) m/p-Xylenes	10.299	106	284954	109.723	ug/l	97
69) o-Xylene	10.640	106	139082	54.180	ug/l	96
70) Styrene	10.653	104	234704	55.826	ug/l	97
71) Bromoform	10.799	173	60067	52.410	ug/l #	99
73) Isopropylbenzene	10.964	105	371182	54.694	ug/l	100
74) N-amyl acetate	10.842	43	126110	54.465	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	112450	52.230	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	100911m	52.973	ug/l	
77) Bromobenzene	11.195	156	90508	52.814	ug/l	98
78) n-propylbenzene	11.305	91	412956	54.496	ug/l	99
79) 2-Chlorotoluene	11.366	91	247899	52.934	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	307434	54.421	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31743	51.834	ug/l	93
82) 4-Chlorotoluene	11.457	91	287324	52.763	ug/l	98
83) tert-Butylbenzene	11.713	119	312148	55.411	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	304141	53.935	ug/l	99
85) sec-Butylbenzene	11.890	105	366405	55.748	ug/l	98
86) p-Isopropyltoluene	12.012	119	310480	54.792	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	165970	53.464	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	167205	52.731	ug/l	97
89) n-Butylbenzene	12.335	91	255684	55.091	ug/l	99
90) Hexachloroethane	12.536	117	50996	52.945	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	162751	52.439	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22232	47.806	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	99747	53.215	ug/l	99
94) Hexachlorobutadiene	13.725	225	41628	55.460	ug/l	99
95) Naphthalene	13.774	128	344444	55.090	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	101577	53.506	ug/l	99

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

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