

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072968.D
 Acq On : 13 May 2022 01:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 06:00:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	288214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	484766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	471729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	232822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181049	48.393	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.780%		
35) Dibromofluoromethane	7.909	113	186243	54.704	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.400%		
50) Toluene-d8	10.332	98	659701	54.018	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.040%		
62) 4-Bromofluorobenzene	12.620	95	248284	54.523	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	109.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	159898	40.148	ug/l	97
3) Chloromethane	2.209	50	159915	38.609	ug/l	97
4) Vinyl Chloride	2.344	62	154542	41.582	ug/l	99
5) Bromomethane	2.762	94	106530	46.491	ug/l	96
6) Chloroethane	2.915	64	97886	42.259	ug/l	98
7) Trichlorofluoromethane	3.268	101	293319	45.070	ug/l	94
8) Diethyl Ether	3.709	74	84241	45.150	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	179193	46.378	ug/l	97
10) Methyl Iodide	4.297	142	171171	44.144	ug/l	99
11) Tert butyl alcohol	5.203	59	89140	275.382	ug/l #	74
12) 1,1-Dichloroethene	4.068	96	156583	45.056	ug/l	89
13) Acrolein	3.915	56	23573	94.403	ug/l	98
14) Allyl chloride	4.709	41	258395	46.053	ug/l	92
15) Acrylonitrile	5.420	53	204367	230.476	ug/l	98
16) Acetone	4.156	43	150479	212.819	ug/l	96
17) Carbon Disulfide	4.403	76	459722	42.070	ug/l	100
18) Methyl Acetate	4.720	43	98475	48.363	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	413693	49.655	ug/l	99
20) Methylene Chloride	4.956	84	230344	51.686	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	190897	47.895	ug/l	91
22) Diisopropyl ether	6.362	45	585448	47.433	ug/l	91
23) Vinyl Acetate	6.303	43	1622148	237.911	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	360215	48.576	ug/l	98
25) 2-Butanone	7.203	43	247662	227.196	ug/l	91
26) 2,2-Dichloropropane	7.203	77	270571	43.160	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	219651	48.116	ug/l	92
28) Bromochloromethane	7.544	49	143322	51.828	ug/l #	83
29) Tetrahydrofuran	7.556	42	163020	234.621	ug/l	93
30) Chloroform	7.709	83	381254	48.589	ug/l	95
31) Cyclohexane	7.979	56	281153	42.990	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	326224	48.782	ug/l	97
36) 1,1-Dichloropropene	8.108	75	262889	47.488	ug/l	96
37) Ethyl Acetate	7.291	43	121030	47.558	ug/l #	98
38) Carbon Tetrachloride	8.091	117	284992	49.593	ug/l	99
39) Methylcyclohexane	9.350	83	290265	45.204	ug/l	97
40) Benzene	8.344	78	796302	49.810	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	69780	46.050	ug/l	92
42) 1,2-Dichloroethane	8.420	62	229709	47.682	ug/l	96
43) Isopropyl Acetate	8.444	43	219919	46.820	ug/l #	92
44) Trichloroethene	9.108	130	206283	48.231	ug/l	95
45) 1,2-Dichloropropane	9.379	63	205659	48.985	ug/l	96
46) Dibromomethane	9.467	93	111626	48.199	ug/l	97
47) Bromodichloromethane	9.655	83	291720	48.964	ug/l	97
48) Methyl methacrylate	9.450	41	112747	49.065	ug/l #	89
49) 1,4-Dioxane	9.455	88	24318	932.455	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	608006	249.103	ug/l	95
52) Toluene	10.397	92	514189	51.560	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	266201	48.644	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	309300	48.649	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	154584	49.375	ug/l	98
56) Ethyl methacrylate	10.655	69	190585	51.701	ug/l #	84
57) 1,3-Dichloropropane	10.938	76	262517	48.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	493710	276.241	ug/l	96
59) 2-Hexanone	10.973	43	408791	248.903	ug/l	95
60) Dibromochloromethane	11.132	129	199037	50.501	ug/l	97
61) 1,2-Dibromoethane	11.238	107	151803	49.815	ug/l	98
64) Tetrachloroethene	10.867	164	161232	46.749	ug/l	91
65) Chlorobenzene	11.661	112	542748	49.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	207455	50.593	ug/l	99
67) Ethyl Benzene	11.738	91	981563	51.983	ug/l	99
68) m/p-Xylenes	11.844	106	755139	103.820	ug/l	99
69) o-Xylene	12.173	106	354013	52.114	ug/l	98
70) Styrene	12.185	104	636126	54.048	ug/l	97
71) Bromoform	12.349	173	112352	50.557	ug/l #	99
73) Isopropylbenzene	12.467	105	947352	52.299	ug/l	100
74) N-amyl acetate	12.279	43	220863	48.961	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	184005	50.322	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	126595m	48.763	ug/l	
77) Bromobenzene	12.749	156	215877	50.187	ug/l	95
78) n-propylbenzene	12.808	91	1177355	51.570	ug/l	99
79) 2-Chlorotoluene	12.896	91	672657	50.438	ug/l	97
80) 1,3,5-Trimethylbenzene	12.944	105	796157	51.834	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	53983	47.817	ug/l	90
82) 4-Chlorotoluene	12.991	91	709274	50.901	ug/l	99
83) tert-Butylbenzene	13.208	119	653001	50.006	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	799219	52.056	ug/l	98
85) sec-Butylbenzene	13.385	105	1024766	52.031	ug/l	99
86) p-Isopropyltoluene	13.502	119	839952	52.016	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	440817	50.872	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	438517	50.818	ug/l	99
89) n-Butylbenzene	13.826	91	800174	51.154	ug/l	100
90) Hexachloroethane	14.096	117	171203	51.754	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	386870	51.228	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	28658	49.441	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	228977	51.197	ug/l	98
94) Hexachlorobutadiene	15.249	225	118195	48.390	ug/l	98
95) Naphthalene	15.379	128	442851	53.855	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	203053	51.216	ug/l	99

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

