

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072022\
 Data File : VD073874.D
 Acq On : 20 Jul 2022 10:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

07/21/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Jul 20 16:24:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	160994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	263158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	241787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	123097	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	96549	50.222	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.440%	
35) Dibromofluoromethane	7.903	113	100943	54.372	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.740%	
50) Toluene-d8	10.326	98	371104	55.063	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.120%	
62) 4-Bromofluorobenzene	12.620	95	129269	55.786	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.580%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	83385	57.039	ug/l	95
3) Chloromethane	2.209	50	128503	54.213	ug/l	98
4) Vinyl Chloride	2.344	62	164963	44.459	ug/l	98
5) Bromomethane	2.762	94	105144	41.922	ug/l	98
6) Chloroethane	2.915	64	114154	45.643	ug/l	99
7) Trichlorofluoromethane	3.268	101	155449	46.849	ug/l	95
8) Diethyl Ether	3.709	74	40629	49.917	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.085	101	90209	48.997	ug/l	98
10) Methyl Iodide	4.291	142	102976	56.779	ug/l	97
11) Tert butyl alcohol	5.215	59	24481	232.804	ug/l	95
12) 1,1-Dichloroethene	4.062	96	84167	51.446	ug/l	90
13) Acrolein	3.921	56	24330	272.643	ug/l	94
14) Allyl chloride	4.709	41	113876	47.686	ug/l #	91
15) Acrylonitrile	5.409	53	83374	250.979	ug/l	97
16) Acetone	4.156	43	86056	272.800	ug/l	93
17) Carbon Disulfide	4.403	76	255993	48.969	ug/l	96
18) Methyl Acetate	4.709	43	39345	52.962	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	200018	51.040	ug/l	97
20) Methylene Chloride	4.950	84	96572	42.041	ug/l	88
21) trans-1,2-Dichloroethene	5.462	96	98403	50.878	ug/l	87
22) Diisopropyl ether	6.362	45	252536	49.694	ug/l #	90
23) Vinyl Acetate	6.297	43	715819	258.060	ug/l #	92
24) 1,1-Dichloroethane	6.256	63	163791	48.797	ug/l	96
25) 2-Butanone	7.203	43	113177	252.773	ug/l #	83
26) 2,2-Dichloropropane	7.203	77	156871	52.629	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	108887	50.008	ug/l	90
28) Bromochloromethane	7.538	49	65190	51.765	ug/l #	72
29) Tetrahydrofuran	7.556	42	68131	250.947	ug/l #	85
30) Chloroform	7.697	83	182064	49.278	ug/l	98
31) Cyclohexane	7.973	56	140678	46.053	ug/l #	86
32) 1,1,1-Trichloroethane	7.891	97	171403	49.866	ug/l	97
36) 1,1-Dichloropropene	8.103	75	138171	51.590	ug/l	95
37) Ethyl Acetate	7.285	43	49080	50.964	ug/l #	92
38) Carbon Tetrachloride	8.091	117	147627	48.265	ug/l	95
39) Methylcyclohexane	9.344	83	163311	52.310	ug/l	94
40) Benzene	8.338	78	379691	52.107	ug/l	98

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41) Methacrylonitrile	7.514	41	31123	52.005	ug/l	93
42) 1,2-Dichloroethane	8.414	62	111443	49.971	ug/l	97
43) Isopropyl Acetate	8.444	43	99717	51.813	ug/l #	92
44) Trichloroethene	9.103	130	107807	53.012	ug/l	94
45) 1,2-Dichloropropane	9.379	63	88432	50.209	ug/l	99
46) Dibromomethane	9.467	93	55624	52.067	ug/l	97
47) Bromodichloromethane	9.650	83	140562	50.817	ug/l	97
48) Methyl methacrylate	9.450	41	47212	50.035	ug/l #	79
49) 1,4-Dioxane	9.456	88	11383	1018.324	ug/l	90
51) 4-Methyl-2-Pentanone	10.214	43	248662	258.446	ug/l	94
52) Toluene	10.391	92	254671	51.930	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	129248	52.929	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	150597	53.299	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	70472	51.858	ug/l	96
56) Ethyl methacrylate	10.650	69	84591	53.768	ug/l	87
57) 1,3-Dichloropropane	10.932	76	117418	50.806	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	178792	212.528	ug/l	91
59) 2-Hexanone	10.973	43	179127	272.465	ug/l	95
60) Dibromochloromethane	11.126	129	94823	51.508	ug/l	100
61) 1,2-Dibromoethane	11.232	107	71541	52.032	ug/l	98
64) Tetrachloroethene	10.861	164	94690	58.719	ug/l	97
65) Chlorobenzene	11.655	112	270168	54.253	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	101333	53.545	ug/l	100
67) Ethyl Benzene	11.732	91	488860	53.170	ug/l	97
68) m/p-Xylenes	11.844	106	395084	109.937	ug/l	97
69) o-Xylene	12.167	106	186575	55.453	ug/l	92
70) Styrene	12.179	104	316086	54.951	ug/l	98
71) Bromoform	12.349	173	56432	55.107	ug/l #	97
73) Isopropylbenzene	12.467	105	491396	52.706	ug/l	98
74) N-amyl acetate	12.273	43	95026	51.671	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	82579	51.244	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	63879m	48.365	ug/l	
77) Bromobenzene	12.744	156	109660	52.923	ug/l	86
78) n-propylbenzene	12.808	91	595397	52.348	ug/l	97
79) 2-Chlorotoluene	12.891	91	338048	52.981	ug/l	96
80) 1,3,5-Trimethylbenzene	12.944	105	422367	53.742	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	24958	50.991	ug/l	87
82) 4-Chlorotoluene	12.991	91	350272	51.911	ug/l	97
83) tert-Butylbenzene	13.208	119	362444	53.939	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	415788	53.116	ug/l	99
85) sec-Butylbenzene	13.385	105	548897	54.172	ug/l	98
86) p-Isopropyltoluene	13.496	119	459018	53.800	ug/l	98
87) 1,3-Dichlorobenzene	13.496	146	233239	53.753	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	225325	52.534	ug/l	98
89) n-Butylbenzene	13.826	91	434067	53.584	ug/l	99
90) Hexachloroethane	14.091	117	76404	45.318	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	195435	52.132	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	13798	50.989	ug/l	87
93) 1,2,4-Trichlorobenzene	15.138	180	119587	52.252	ug/l	99
94) Hexachlorobutadiene	15.243	225	64366	53.068	ug/l	98
95) Naphthalene	15.379	128	225658	54.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	102774	52.817	ug/l	99

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

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