

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073186.D
 Acq On : 20 May 2022 15:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 20 18:21:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	324715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	542807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	526644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182316	50.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.600%			
35) Dibromofluoromethane	7.909	113	185141	51.689	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.380%			
50) Toluene-d8	10.332	98	705006	53.396	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.800%			
62) 4-Bromofluorobenzene	12.620	95	248494	53.628	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	142775	44.003	ug/l	100
3) Chloromethane	2.209	50	159132	43.373	ug/l	99
4) Vinyl Chloride	2.350	62	146289	43.604	ug/l	100
5) Bromomethane	2.762	94	102628	47.516	ug/l	93
6) Chloroethane	2.915	64	97488	47.269	ug/l	99
7) Trichlorofluoromethane	3.268	101	282289	47.586	ug/l	100
8) Diethyl Ether	3.709	74	83991	51.525	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	169585	47.912	ug/l	96
10) Methyl Iodide	4.303	142	168951	44.242	ug/l	98
11) Tert butyl alcohol	5.209	59	67169	120.642	ug/l #	94
12) 1,1-Dichloroethene	4.068	96	151733	46.497	ug/l	90
13) Acrolein	3.920	56	72612	336.380	ug/l	100
14) Allyl chloride	4.709	41	228269	43.335	ug/l #	92
15) Acrylonitrile	5.420	53	201348	270.121	ug/l	98
16) Acetone	4.156	43	158556	255.087	ug/l	99
17) Carbon Disulfide	4.409	76	484067	44.747	ug/l	99
18) Methyl Acetate	4.715	43	84559	48.923	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	388266	52.226	ug/l	99
20) Methylene Chloride	4.956	84	212860	54.336	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	193470	49.034	ug/l	93
22) Diisopropyl ether	6.362	45	571113	51.721	ug/l #	94
23) Vinyl Acetate	6.303	43	1559961	264.852	ug/l	95
24) 1,1-Dichloroethane	6.256	63	342450	48.316	ug/l	99
25) 2-Butanone	7.209	43	237237	260.875	ug/l	93
26) 2,2-Dichloropropane	7.203	77	287295	47.530	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	220852	50.586	ug/l	90
28) Bromochloromethane	7.544	49	128648	52.685	ug/l #	82
29) Tetrahydrofuran	7.556	42	158337	269.269	ug/l	91
30) Chloroform	7.703	83	369111	49.882	ug/l	98
31) Cyclohexane	7.979	56	287361	45.823	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	315387	48.732	ug/l	98
36) 1,1-Dichloropropene	8.108	75	267215	49.604	ug/l	96
37) Ethyl Acetate	7.291	43	114781	53.943	ug/l #	95
38) Carbon Tetrachloride	8.091	117	269186	49.296	ug/l	97
39) Methylcyclohexane	9.350	83	300659	50.080	ug/l	98
40) Benzene	8.344	78	792847	51.068	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	66511	53.650	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	222769	51.568	ug/l	95
43) Isopropyl Acetate	8.444	43	213196	54.207	ug/l #	94
44) Trichloroethene	9.108	130	208227	50.296	ug/l	95
45) 1,2-Dichloropropane	9.379	63	202289	51.738	ug/l	98
46) Dibromomethane	9.467	93	111540	51.943	ug/l	98
47) Bromodichloromethane	9.655	83	280874	51.119	ug/l	98
48) Methyl methacrylate	9.450	41	111947	56.575	ug/l	92
49) 1,4-Dioxane	9.450	88	25123	1132.895	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	572273	280.153	ug/l	94
52) Toluene	10.397	92	514168	52.409	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	256128	51.599	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	304265	51.222	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	155196	53.446	ug/l	98
56) Ethyl methacrylate	10.650	69	188523	58.392	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	260737	53.514	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	379945	247.896	ug/l	96
59) 2-Hexanone	10.973	43	391092	290.400	ug/l	94
60) Dibromochloromethane	11.132	129	192995	53.301	ug/l	99
61) 1,2-Dibromoethane	11.238	107	146706	52.871	ug/l	98
64) Tetrachloroethene	10.867	164	167397	48.529	ug/l	97
65) Chlorobenzene	11.661	112	538464	49.839	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	207572	51.804	ug/l	98
67) Ethyl Benzene	11.738	91	977020	51.514	ug/l	98
68) m/p-Xylenes	11.844	106	771717	104.731	ug/l	97
69) o-Xylene	12.173	106	353443	52.214	ug/l	97
70) Styrene	12.185	104	618144	53.077	ug/l	98
71) Bromoform	12.349	173	111137	53.892	ug/l #	100
73) Isopropylbenzene	12.467	105	939881	50.669	ug/l	100
74) N-amyl acetate	12.279	43	214358	52.972	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	178518	52.182	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	125571m	49.185	ug/l	
77) Bromobenzene	12.749	156	219812	50.340	ug/l	93
78) n-propylbenzene	12.808	91	1183555	50.824	ug/l	99
79) 2-Chlorotoluene	12.896	91	670975	49.902	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	802933	51.099	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	54666	51.404	ug/l	90
82) 4-Chlorotoluene	12.991	91	709488	50.342	ug/l	99
83) tert-Butylbenzene	13.208	119	680220	51.364	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	801185	51.612	ug/l	99
85) sec-Butylbenzene	13.391	105	1019288	50.407	ug/l	99
86) p-Isopropyltoluene	13.502	119	847616	51.422	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	444188	50.468	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	439284	49.443	ug/l	99
89) n-Butylbenzene	13.826	91	808145	51.456	ug/l	99
90) Hexachloroethane	14.096	117	169347	49.652	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	384048	50.431	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	25990	49.608	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	222855	51.546	ug/l	98
94) Hexachlorobutadiene	15.249	225	114547	47.017	ug/l	97
95) Naphthalene	15.379	128	425452	49.968	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	196213	51.193	ug/l	99

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

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