

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073135.D
 Acq On : 19 May 2022 12:41
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: May 19 14:18:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 14:16:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	291084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	540063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	517031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	19100	5.374	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.740%#		
35) Dibromofluoromethane	7.909	113	18457	4.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.840%#		
50) Toluene-d8	10.332	98	64907	4.768	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.540%#		
62) 4-Bromofluorobenzene	12.620	95	23254	4.753	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.500%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	15880	4.453	ug/l	94
3) Chloromethane	2.209	50	19857	5.393	ug/l	99
4) Vinyl Chloride	2.344	62	16492	4.857	ug/l	98
5) Bromomethane	2.768	94	13949	5.787	ug/l	96
6) Chloroethane	2.915	64	9280	4.383	ug/l #	82
7) Trichlorofluoromethane	3.268	101	27596	4.446	ug/l	95
8) Diethyl Ether	3.715	74	7494	4.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.085	101	17331	4.717	ug/l	97
10) Methyl Iodide	4.297	142	16049	4.311	ug/l #	96
11) Tert butyl alcohol	5.191	59	29351	53.329	ug/l #	78
12) 1,1-Dichloroethene	4.073	96	14716	4.409	ug/l	84
13) Acrolein	3.921	56	7856	27.562	ug/l	96
14) Allyl chloride	4.715	41	24562	4.652	ug/l	94
15) Acrylonitrile	5.415	53	16972	21.244	ug/l	97
16) Acetone	4.156	43	17024	26.775	ug/l	96
17) Carbon Disulfide	4.415	76	52556	4.730	ug/l	96
18) Methyl Acetate	4.720	43	8698	4.291	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	33009	4.287	ug/l	94
20) Methylene Chloride	4.962	84	30652	6.544	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	19100	4.827	ug/l	85
22) Diisopropyl ether	6.362	45	48010	4.267	ug/l	99
23) Vinyl Acetate	6.309	43	127294	21.110	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	36115	5.131	ug/l	99
25) 2-Butanone	7.209	43	22452	23.226	ug/l #	83
26) 2,2-Dichloropropane	7.197	77	29539	4.940	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	20568	4.715	ug/l	92
28) Bromochloromethane	7.544	49	13988	5.785	ug/l #	19
29) Tetrahydrofuran	7.550	42	13704	22.169	ug/l	96
30) Chloroform	7.703	83	36430	4.849	ug/l	97
31) Cyclohexane	7.979	56	30664	4.750	ug/l #	66
32) 1,1,1-Trichloroethane	7.897	97	30838	4.778	ug/l	96
36) 1,1-Dichloropropene	8.103	75	25755	4.228	ug/l	98
37) Ethyl Acetate	7.285	43	11473	4.582	ug/l #	94
38) Carbon Tetrachloride	8.091	117	26015	4.175	ug/l	93
39) Methylcyclohexane	9.350	83	24970	3.531	ug/l	93
40) Benzene	8.344	78	77784	4.488	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	6099	4.396	ug/l #	90
42) 1,2-Dichloroethane	8.414	62	22887	4.569	ug/l	99
43) Isopropyl Acetate	8.444	43	18430	3.939	ug/l #	90
44) Trichloroethene	9.103	130	20447	4.338	ug/l	82
45) 1,2-Dichloropropane	9.379	63	20060	4.464	ug/l	100
46) Dibromomethane	9.467	93	11770	4.749	ug/l	93
47) Bromodichloromethane	9.650	83	28450	4.517	ug/l #	93
48) Methyl methacrylate	9.450	41	8787	3.814	ug/l	88
49) 1,4-Dioxane	9.461	88	2207	86.650	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	47163	19.411	ug/l	99
52) Toluene	10.397	92	44070	3.993	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	23712	4.146	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	28528	4.209	ug/l #	84
55) 1,1,2-Trichloroethane	10.791	97	14392	4.265	ug/l	95
56) Ethyl methacrylate	10.650	69	12754	3.353	ug/l	92
57) 1,3-Dichloropropane	10.938	76	23715	4.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	24900	14.685	ug/l	98
59) 2-Hexanone	10.973	43	28725	17.905	ug/l	95
60) Dibromochloromethane	11.132	129	17966	4.282	ug/l	99
61) 1,2-Dibromoethane	11.238	107	13974	4.301	ug/l	97
64) Tetrachloroethene	10.867	164	16265	4.346	ug/l	96
65) Chlorobenzene	11.661	112	52817	4.565	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	19694	4.454	ug/l	98
67) Ethyl Benzene	11.732	91	82561	4.091	ug/l	97
68) m/p-Xylenes	11.844	106	60865	7.755	ug/l	97
69) o-Xylene	12.167	106	28722	3.986	ug/l	91
70) Styrene	12.185	104	47353	3.775	ug/l	99
71) Bromoform	12.349	173	9566	4.164	ug/l #	90
73) Isopropylbenzene	12.467	105	71335	3.938	ug/l	97
74) N-amyl acetate	12.279	43	15990	3.861	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	15592	4.450	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	11312m	4.258	ug/l	
77) Bromobenzene	12.744	156	20621	4.818	ug/l	85
78) n-propylbenzene	12.808	91	90555	3.987	ug/l	99
79) 2-Chlorotoluene	12.891	91	56366	4.276	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	60649	3.940	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	4375	3.961	ug/l	95
82) 4-Chlorotoluene	12.991	91	59558	4.264	ug/l	96
83) tert-Butylbenzene	13.208	119	49237	3.775	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	59998	3.934	ug/l	95
85) sec-Butylbenzene	13.385	105	79270	4.001	ug/l	100
86) p-Isopropyltoluene	13.502	119	62429	3.880	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	40589	4.614	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	42918	4.930	ug/l	97
89) n-Butylbenzene	13.826	91	60528	3.871	ug/l	98
90) Hexachloroethane	14.096	117	14899	4.452	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	35578	4.662	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	2696	4.964	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	17820	4.095	ug/l	89
94) Hexachlorobutadiene	15.249	225	11600	4.777	ug/l	93
95) Naphthalene	15.385	128	27894	3.572	ug/l	97
96) 1,2,3-Trichlorobenzene	15.573	180	16831	4.362	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

