

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073037.D
 Acq On : 16 May 2022 16:10
 Operator : VA/SY
 Sample : VD0516SBS01
 Misc : 4.55G/5.00ml/MSVOA_D/soil
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022

Quant Time: May 17 03:28:57 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	293268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	485914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	462660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	235858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174422	45.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.640%		
35) Dibromofluoromethane	7.909	113	174570	51.154	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.300%		
50) Toluene-d8	10.332	98	626799	51.203	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.400%		
62) 4-Bromofluorobenzene	12.620	95	229597	50.301	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	72731	17.947	ug/l	98
3) Chloromethane	2.209	50	67327	15.975	ug/l	99
4) Vinyl Chloride	2.344	62	66449	17.571	ug/l	99
5) Bromomethane	2.750	94	44021	17.934	ug/l	91
6) Chloroethane	2.909	64	40624	17.236	ug/l	95
7) Trichlorofluoromethane	3.262	101	130269	19.672	ug/l	97
8) Diethyl Ether	3.709	74	33938	17.876	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	79141	20.130	ug/l	96
10) Methyl Iodide	4.297	142	64476	16.341	ug/l	99
11) Tert butyl alcohol	5.185	59	56452m	171.393	ug/l	
12) 1,1-Dichloroethene	4.062	96	66700	18.862	ug/l	90
13) Acrolein	3.926	56	13598	45.660	ug/l	98
14) Allyl chloride	4.709	41	107376	18.807	ug/l	91
15) Acrylonitrile	5.420	53	82257	91.167	ug/l	95
16) Acetone	4.150	43	62887	78.706	ug/l	95
17) Carbon Disulfide	4.403	76	192004	17.268	ug/l	96
18) Methyl Acetate	4.709	43	46278	22.203	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	157130	18.535	ug/l	99
20) Methylene Chloride	4.962	84	112546	21.077	ug/l	90
21) trans-1,2-Dichloroethene	5.462	96	77638	19.143	ug/l	91
22) Diisopropyl ether	6.362	45	229119	18.243	ug/l	96
23) Vinyl Acetate	6.297	43	588887	84.880	ug/l	95
24) 1,1-Dichloroethane	6.256	63	148384	19.665	ug/l	95
25) 2-Butanone	7.209	43	100765	90.845	ug/l #	87
26) 2,2-Dichloropropane	7.203	77	123509	19.362	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	87473	18.831	ug/l	93
28) Bromochloromethane	7.538	49	48228	17.140	ug/l #	82
29) Tetrahydrofuran	7.562	42	62558	88.483	ug/l	93
30) Chloroform	7.709	83	155191	19.438	ug/l	96
31) Cyclohexane	7.979	56	123275	18.525	ug/l	87
32) 1,1,1-Trichloroethane	7.903	97	136508	20.061	ug/l	96
36) 1,1-Dichloropropene	8.109	75	111909	20.167	ug/l	96
37) Ethyl Acetate	7.285	43	43364	16.999	ug/l #	94
38) Carbon Tetrachloride	8.091	117	123930	21.515	ug/l	95
39) Methylcyclohexane	9.350	83	125322	19.471	ug/l	97
40) Benzene	8.344	78	323492	20.187	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	26340	17.342	ug/l #	91
42) 1,2-Dichloroethane	8.420	62	93058	19.271	ug/l	96
43) Isopropyl Acetate	8.444	43	87733	18.634	ug/l	93
44) Trichloroethene	9.109	130	85498	19.943	ug/l	92
45) 1,2-Dichloropropane	9.379	63	82247	19.544	ug/l	90
46) Dibromomethane	9.473	93	44246	19.060	ug/l	95
47) Bromodichloromethane	9.656	83	119387	19.991	ug/l	99
48) Methyl methacrylate	9.450	41	41274	17.919	ug/l #	84
49) 1,4-Dioxane	9.456	88	10542	403.270	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	235704	96.341	ug/l	93
52) Toluene	10.397	92	206688	20.677	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	106794	19.469	ug/l	91
54) cis-1,3-Dichloropropene	10.085	75	125622	19.712	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	62814	20.016	ug/l	94
56) Ethyl methacrylate	10.650	69	70229	19.007	ug/l	87
57) 1,3-Dichloropropane	10.938	76	105043	19.505	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	161464	90.129	ug/l	96
59) 2-Hexanone	10.973	43	157152	95.460	ug/l	97
60) Dibromochloromethane	11.132	129	78765	19.938	ug/l	99
61) 1,2-Dibromoethane	11.232	107	61879	20.258	ug/l	97
64) Tetrachloroethene	10.867	164	72942	21.564	ug/l	98
65) Chlorobenzene	11.661	112	224762	21.004	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	81593	20.289	ug/l	96
67) Ethyl Benzene	11.738	91	378587	20.443	ug/l	97
68) m/p-Xylenes	11.844	106	301256	42.230	ug/l	99
69) o-Xylene	12.173	106	139174	20.889	ug/l	97
70) Styrene	12.185	104	245139	21.236	ug/l	97
71) Bromoform	12.350	173	45518	20.884	ug/l #	99
73) Isopropylbenzene	12.467	105	370386	20.184	ug/l	99
74) N-amyl acetate	12.279	43	84906	18.580	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	72322	19.524	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	60136m	22.866	ug/l	
77) Bromobenzene	12.750	156	88107	20.219	ug/l	92
78) n-propylbenzene	12.808	91	473569	20.476	ug/l	100
79) 2-Chlorotoluene	12.897	91	268026	19.839	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	321917	20.689	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	21215	18.550	ug/l	93
82) 4-Chlorotoluene	12.991	91	285965	20.258	ug/l	99
83) tert-Butylbenzene	13.208	119	266772	20.166	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	318572	20.483	ug/l	98
85) sec-Butylbenzene	13.391	105	410798	20.589	ug/l	100
86) p-Isopropyltoluene	13.502	119	337221	20.615	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	182629	20.805	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	182644	20.893	ug/l	100
89) n-Butylbenzene	13.826	91	318476	20.097	ug/l	99
90) Hexachloroethane	14.097	117	69401	20.709	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	155924	20.381	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	10998	18.730	ug/l	85
93) 1,2,4-Trichlorobenzene	15.144	180	89622	19.781	ug/l	98
94) Hexachlorobutadiene	15.249	225	50837	20.545	ug/l	99
95) Naphthalene	15.379	128	154918	18.597	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	80063	19.934	ug/l	99

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

