

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042522\
 Data File : VD072705.D
 Acq On : 25 Apr 2022 13:34
 Operator : VA/SY
 Sample : VD0425SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2022
 Supervised By : Mahesh Dadoda 04/26/2022

Quant Time: Apr 26 01:13:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	328946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	552194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	512325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	272623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	209147	52.560	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.120%			
35) Dibromofluoromethane	7.908	113	221450	51.604	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.200%			
50) Toluene-d8	10.332	98	739533	49.577	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.160%			
62) 4-Bromofluorobenzene	12.620	95	301750	51.796	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	45297	17.351	ug/l	92
3) Chloromethane	2.208	50	51844	21.470	ug/l	97
4) Vinyl Chloride	2.350	62	54774	20.310	ug/l	98
5) Bromomethane	2.744	94	37665	20.242	ug/l	97
6) Chloroethane	2.903	64	37620	21.153	ug/l	99
7) Trichlorofluoromethane	3.261	101	121205	21.390	ug/l	92
8) Diethyl Ether	3.708	74	35407	21.026	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.085	101	77876	20.607	ug/l	96
10) Methyl Iodide	4.297	142	63991	20.541	ug/l	97
11) Tert butyl alcohol	5.220	59	38625	183.806	ug/l #	92
12) 1,1-Dichloroethene	4.061	96	60097	20.341	ug/l #	92
13) Acrolein	3.926	56	12032	129.026	ug/l	97
14) Allyl chloride	4.702	41	102396	20.418	ug/l	89
15) Acrylonitrile	5.420	53	84506	100.346	ug/l	98
16) Acetone	4.155	43	83609	112.681	ug/l #	88
17) Carbon Disulfide	4.408	76	114054	20.158	ug/l	96
18) Methyl Acetate	4.714	43	36550	17.485	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	177562	20.590	ug/l	98
20) Methylene Chloride	4.955	84	117468	26.593	ug/l	86
21) trans-1,2-Dichloroethene	5.461	96	72150	20.460	ug/l	84
22) Diisopropyl ether	6.361	45	248893	20.967	ug/l #	93
23) Vinyl Acetate	6.302	43	644250	104.656	ug/l #	95
24) 1,1-Dichloroethane	6.249	63	151310	21.153	ug/l	97
25) 2-Butanone	7.202	43	108202	105.439	ug/l #	89
26) 2,2-Dichloropropane	7.202	77	136151	21.429	ug/l	97
27) cis-1,2-Dichloroethene	7.202	96	92397	20.597	ug/l	92
28) Bromochloromethane	7.543	49	72231	23.567	ug/l #	81
29) Tetrahydrofuran	7.555	42	61896	99.903	ug/l #	88
30) Chloroform	7.702	83	171141	21.269	ug/l	98
31) Cyclohexane	7.979	56	106831	20.532	ug/l #	86
32) 1,1,1-Trichloroethane	7.896	97	146410	21.453	ug/l	96
36) 1,1-Dichloropropene	8.102	75	106773	20.156	ug/l	94
37) Ethyl Acetate	7.285	43	43008	18.914	ug/l #	89
38) Carbon Tetrachloride	8.090	117	127318	21.536	ug/l	96
39) Methylcyclohexane	9.349	83	110599	19.198	ug/l	95
40) Benzene	8.343	78	321076	21.424	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	23640	18.858	ug/l #	75
42) 1,2-Dichloroethane	8.420	62	98119	21.420	ug/l	96
43) Isopropyl Acetate	8.443	43	90692	20.793	ug/l #	91
44) Trichloroethene	9.108	130	88658	20.837	ug/l	94
45) 1,2-Dichloropropane	9.379	63	87365	20.956	ug/l	95
46) Dibromomethane	9.467	93	46868	21.428	ug/l	97
47) Bromodichloromethane	9.649	83	131893	20.989	ug/l	97
48) Methyl methacrylate	9.449	41	41587	19.639	ug/l #	80
49) 1,4-Dioxane	9.455	88	11079	425.808	ug/l #	93
51) 4-Methyl-2-Pentanone	10.220	43	239981	102.540	ug/l	93
52) Toluene	10.396	92	212113	21.304	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	114862	20.976	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	135470	20.925	ug/l #	85
55) 1,1,2-Trichloroethane	10.790	97	71566	21.582	ug/l	98
56) Ethyl methacrylate	10.655	69	77328	19.705	ug/l #	82
57) 1,3-Dichloropropane	10.937	76	111973	20.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	203617	124.376	ug/l	95
59) 2-Hexanone	10.973	43	162013	101.799	ug/l	93
60) Dibromochloromethane	11.132	129	89819	20.998	ug/l	97
61) 1,2-Dibromoethane	11.237	107	62748	21.313	ug/l	98
64) Tetrachloroethene	10.867	164	71190	21.268	ug/l	93
65) Chlorobenzene	11.661	112	241428	21.077	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	93735	20.469	ug/l	98
67) Ethyl Benzene	11.731	91	412008	20.614	ug/l	98
68) m/p-Xylenes	11.843	106	321769	42.436	ug/l	98
69) o-Xylene	12.167	106	152843	20.892	ug/l	96
70) Styrene	12.184	104	268758	20.844	ug/l	97
71) Bromoform	12.343	173	49709	20.476	ug/l #	100
73) Isopropylbenzene	12.467	105	419977	19.075	ug/l	99
74) N-amyl acetate	12.273	43	85421	18.491	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	79057	18.957	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	56693m	19.067	ug/l	
77) Bromobenzene	12.749	156	97122	19.681	ug/l	93
78) n-propylbenzene	12.808	91	511673	19.264	ug/l	98
79) 2-Chlorotoluene	12.896	91	299723	19.296	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	360095	19.096	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	22395	18.482	ug/l	89
82) 4-Chlorotoluene	12.990	91	318831	19.708	ug/l	100
83) tert-Butylbenzene	13.208	119	321945	19.722	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	359870	19.516	ug/l	99
85) sec-Butylbenzene	13.384	105	479671	19.507	ug/l	98
86) p-Isopropyltoluene	13.502	119	388126	19.311	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	201215	19.677	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	199806	19.387	ug/l	98
89) n-Butylbenzene	13.825	91	362679	18.942	ug/l	99
90) Hexachloroethane	14.096	117	80401	19.541	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	172484	19.124	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12364	20.047	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	105744	18.915	ug/l	98
94) Hexachlorobutadiene	15.249	225	61120	19.518	ug/l	99
95) Naphthalene	15.384	128	187744	17.283	ug/l	100
96) 1,2,3-Trichlorobenzene	15.572	180	93441	19.151	ug/l	99

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

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