

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061022\
 Data File : VD073524.D
 Acq On : 10 Jun 2022 13:09
 Operator : VA/SY
 Sample : VD0610SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2022
 Supervised By : Mahesh Dadoda 06/13/2022

Quant Time: Jun 10 23:05:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	338569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	570961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	524964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	176573	48.599	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.200%		
35) Dibromofluoromethane	7.908	113	182924	49.823	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.640%		
50) Toluene-d8	10.332	98	712189	51.305	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.600%		
62) 4-Bromofluorobenzene	12.620	95	254363	50.475	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	72704	22.517	ug/l	99
3) Chloromethane	2.209	50	74587	22.526	ug/l	99
4) Vinyl Chloride	2.344	62	69084	22.252	ug/l	100
5) Bromomethane	2.750	94	52208	23.457	ug/l	90
6) Chloroethane	2.915	64	40392	20.416	ug/l	91
7) Trichlorofluoromethane	3.267	101	126601	20.810	ug/l	96
8) Diethyl Ether	3.703	74	34830	20.005	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.091	101	73729	21.191	ug/l	95
10) Methyl Iodide	4.297	142	77873	21.254	ug/l	97
11) Tert butyl alcohol	5.179	59	73191	58.667	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	69422	21.014	ug/l	88
13) Acrolein	3.915	56	14975	93.580	ug/l	93
14) Allyl chloride	4.709	41	104481	21.244	ug/l #	89
15) Acrylonitrile	5.414	53	76267	97.550	ug/l	97
16) Acetone	4.156	43	57266	89.515	ug/l #	89
17) Carbon Disulfide	4.403	76	228682	21.839	ug/l	99
18) Methyl Acetate	4.714	43	35734	20.641	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	158636	20.120	ug/l	97
20) Methylene Chloride	4.956	84	93247	21.393	ug/l #	80
21) trans-1,2-Dichloroethene	5.467	96	85039	21.279	ug/l	82
22) Diisopropyl ether	6.356	45	225449	21.243	ug/l #	91
23) Vinyl Acetate	6.297	43	594193	103.205	ug/l	96
24) 1,1-Dichloroethane	6.261	63	143817	21.140	ug/l	99
25) 2-Butanone	7.203	43	88588	94.112	ug/l	94
26) 2,2-Dichloropropane	7.203	77	127344	20.879	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	91785	21.246	ug/l	90
28) Bromochloromethane	7.532	49	51013	19.106	ug/l #	78
29) Tetrahydrofuran	7.561	42	57577	95.885	ug/l #	86
30) Chloroform	7.703	83	155234	21.358	ug/l	99
31) Cyclohexane	7.979	56	128876	21.056	ug/l #	87
32) 1,1,1-Trichloroethane	7.897	97	136546	21.321	ug/l	95
36) 1,1-Dichloropropene	8.108	75	113164	20.522	ug/l	94
37) Ethyl Acetate	7.285	43	47119	21.154	ug/l	97
38) Carbon Tetrachloride	8.091	117	120074	20.815	ug/l	99
39) Methylcyclohexane	9.350	83	138685	21.582	ug/l	98
40) Benzene	8.344	78	335680	20.928	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	22008m	18.225	ug/l	
42) 1,2-Dichloroethane	8.420	62	90471	20.400	ug/l	95
43) Isopropyl Acetate	8.450	43	79930	18.651	ug/l #	88
44) Trichloroethene	9.102	130	93259	20.875	ug/l	89
45) 1,2-Dichloropropane	9.379	63	81852	20.599	ug/l	92
46) Dibromomethane	9.467	93	43492	19.430	ug/l	92
47) Bromodichloromethane	9.655	83	111834	19.939	ug/l #	96
48) Methyl methacrylate	9.450	41	40934	19.282	ug/l #	85
49) 1,4-Dioxane	9.450	88	9198	357.262	ug/l #	95
51) 4-Methyl-2-Pentanone	10.220	43	210686	97.157	ug/l	94
52) Toluene	10.397	92	221889	21.569	ug/l	94
53) t-1,3-Dichloropropene	10.608	75	105428	20.041	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	125974	20.447	ug/l #	85
55) 1,1,2-Trichloroethane	10.791	97	63354	19.845	ug/l	95
56) Ethyl methacrylate	10.649	69	70730	19.337	ug/l #	86
57) 1,3-Dichloropropane	10.932	76	104002	20.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	139083	92.484	ug/l	93
59) 2-Hexanone	10.973	43	142759	96.128	ug/l	94
60) Dibromochloromethane	11.126	129	78764	19.990	ug/l	98
61) 1,2-Dibromoethane	11.238	107	61026	20.062	ug/l	99
64) Tetrachloroethene	10.867	164	75024	20.992	ug/l	97
65) Chlorobenzene	11.661	112	232711	21.545	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	88653	21.632	ug/l	98
67) Ethyl Benzene	11.732	91	402668	21.333	ug/l	98
68) m/p-Xylenes	11.844	106	319739	43.165	ug/l	100
69) o-Xylene	12.167	106	150106	22.023	ug/l	94
70) Styrene	12.185	104	258076	21.951	ug/l	96
71) Bromoform	12.349	173	46067	20.557	ug/l #	99
73) Isopropylbenzene	12.467	105	386159	21.107	ug/l	98
74) N-amyl acetate	12.273	43	79295	19.483	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.714	83	69688	20.065	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	55901m	21.801	ug/l	
77) Bromobenzene	12.749	156	94144	21.070	ug/l	89
78) n-propylbenzene	12.808	91	483940	21.251	ug/l	98
79) 2-Chlorotoluene	12.896	91	281505	21.266	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	336898	21.351	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.514	75	20836	19.073	ug/l	91
82) 4-Chlorotoluene	12.991	91	301080	21.575	ug/l	99
83) tert-Butylbenzene	13.208	119	274452	20.580	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	341684	21.696	ug/l	99
85) sec-Butylbenzene	13.385	105	430878	21.568	ug/l	99
86) p-Isopropyltoluene	13.502	119	352585	21.172	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	189967	20.822	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	191594	21.228	ug/l	99
89) n-Butylbenzene	13.826	91	326095	20.757	ug/l	99
90) Hexachloroethane	14.096	117	71900	20.848	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	164821	20.945	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	10268	18.511	ug/l	79
93) 1,2,4-Trichlorobenzene	15.143	180	94742	20.106	ug/l	99
94) Hexachlorobutadiene	15.249	225	51152	19.789	ug/l	95
95) Naphthalene	15.379	128	162489	19.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	83615	20.321	ug/l	99

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

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