

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076870.D
 Acq On : 31 Jul 2023 13:11
 Operator : KP/SY
 Sample : VD0731SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 02:09:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	171341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	310268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	284400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	138545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81734	47.893	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.780%		
35) Dibromofluoromethane	7.804	113	97708	50.113	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.220%		
50) Toluene-d8	10.269	98	324817	46.569	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.140%		
62) 4-Bromofluorobenzene	12.575	95	108532	48.099	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	27469	20.501	ug/l	98
3) Chloromethane	2.146	50	40724	17.619	ug/l	100
4) Vinyl Chloride	2.281	62	57395	18.628	ug/l	99
5) Bromomethane	2.675	94	47862	18.880	ug/l	97
6) Chloroethane	2.828	64	42460	18.253	ug/l	96
7) Trichlorofluoromethane	3.163	101	58313	21.270	ug/l	99
8) Diethyl Ether	3.587	74	19343	20.493	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.957	101	38356	21.284	ug/l	97
10) Methyl Iodide	4.157	142	37677	18.547	ug/l	92
11) Tert butyl alcohol	5.051	59	16107	126.479	ug/l #	93
12) 1,1-Dichloroethene	3.934	96	32978	19.478	ug/l	92
13) Acrolein	3.804	56	10033	115.609	ug/l	96
14) Allyl chloride	4.557	41	42944	19.308	ug/l	90
15) Acrylonitrile	5.257	53	46397	100.080	ug/l	99
16) Acetone	4.022	43	41846	102.671	ug/l #	84
17) Carbon Disulfide	4.269	76	65310	16.515	ug/l	100
18) Methyl Acetate	4.563	43	32275	21.077	ug/l	93
19) Methyl tert-butyl Ether	5.310	73	90253	19.878	ug/l	97
20) Methylene Chloride	4.793	84	70674	23.704	ug/l	91
21) trans-1,2-Dichloroethene	5.304	96	37159	18.881	ug/l	97
22) Diisopropyl ether	6.216	45	107180	20.350	ug/l	95
23) Vinyl Acetate	6.151	43	254957	97.837	ug/l #	92
24) 1,1-Dichloroethane	6.104	63	74717	21.041	ug/l	94
25) 2-Butanone	7.081	43	62274	114.164	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	68189	22.276	ug/l	92
27) cis-1,2-Dichloroethene	7.069	96	50017	20.616	ug/l	94
28) Bromochloromethane	7.428	49	22207	25.013	ug/l	83
29) Tetrahydrofuran	7.445	42	32904	102.095	ug/l	93
30) Chloroform	7.598	83	81668	20.998	ug/l	92
31) Cyclohexane	7.875	56	47195	18.791	ug/l	97
32) 1,1,1-Trichloroethane	7.792	97	68211	21.737	ug/l	98
36) 1,1-Dichloropropene	8.004	75	53188	20.876	ug/l	96
37) Ethyl Acetate	7.163	43	24294	21.322	ug/l #	67
38) Carbon Tetrachloride	7.987	117	51581	21.144	ug/l	97
39) Methylcyclohexane	9.275	83	55118	18.736	ug/l	99
40) Benzene	8.245	78	161050	20.034	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	14945	21.479	ug/l #	82
42) 1,2-Dichloroethane	8.322	62	45305	21.690	ug/l	94
43) Isopropyl Acetate	8.363	43	46534	20.927	ug/l	93
44) Trichloroethene	9.028	130	43264	19.750	ug/l	90
45) 1,2-Dichloropropane	9.304	63	43331	20.881	ug/l	97
46) Dibromomethane	9.398	93	26338	21.684	ug/l	91
47) Bromodichloromethane	9.581	83	63331	20.777	ug/l	99
48) Methyl methacrylate	9.381	41	20485	20.241	ug/l	86
49) 1,4-Dioxane	9.386	88	6573	422.368	ug/l #	92
51) 4-Methyl-2-Pentanone	10.157	43	125650	106.129	ug/l	92
52) Toluene	10.334	92	103240	19.554	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	58103	20.537	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	66080	19.818	ug/l #	89
55) 1,1,2-Trichloroethane	10.728	97	39075	22.030	ug/l	93
56) Ethyl methacrylate	10.598	69	42015	20.523	ug/l #	93
57) 1,3-Dichloropropane	10.881	76	60773	21.039	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	88849	112.122	ug/l	95
59) 2-Hexanone	10.922	43	90765	107.441	ug/l	90
60) Dibromochloromethane	11.075	129	44458	21.576	ug/l	97
61) 1,2-Dibromoethane	11.175	107	35176	21.391	ug/l	97
64) Tetrachloroethene	10.810	164	33998	20.964	ug/l	95
65) Chlorobenzene	11.604	112	119402	20.875	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.680	131	46170	21.681	ug/l	98
67) Ethyl Benzene	11.680	91	203593	20.268	ug/l	98
68) m/p-Xylenes	11.792	106	157112	40.724	ug/l	93
69) o-Xylene	12.122	106	72972	19.560	ug/l	89
70) Styrene	12.133	104	129695	19.859	ug/l	96
71) Bromoform	12.298	173	25266	21.663	ug/l #	96
73) Isopropylbenzene	12.422	105	197759	19.674	ug/l	95
74) N-amyl acetate	12.233	43	42350	19.999	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	46373	21.487	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	30513m	23.159	ug/l	
77) Bromobenzene	12.698	156	47627	20.527	ug/l	88
78) n-propylbenzene	12.763	91	246650	20.241	ug/l	94
79) 2-Chlorotoluene	12.851	91	131093	19.620	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	160161	19.705	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	12659	20.448	ug/l	97
82) 4-Chlorotoluene	12.945	91	140695	20.156	ug/l	95
83) tert-Butylbenzene	13.169	119	145554	20.339	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	162038	19.509	ug/l	97
85) sec-Butylbenzene	13.345	105	222878	20.384	ug/l	96
86) p-Isopropyltoluene	13.463	119	181464	20.096	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	97743	20.482	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	97861	20.930	ug/l	97
89) n-Butylbenzene	13.786	91	177742	20.116	ug/l	98
90) Hexachloroethane	14.051	117	35873	21.489	ug/l	84
91) 1,2-Dichlorobenzene	13.833	146	86493	20.569	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6831	22.199	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	53432	20.813	ug/l	97
94) Hexachlorobutadiene	15.204	225	25537	20.683	ug/l	98
95) Naphthalene	15.333	128	109975	19.784	ug/l	98
96) 1,2,3-Trichlorobenzene	15.521	180	46989	20.396	ug/l	97

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

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