

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076871.D
 Acq On : 31 Jul 2023 13:38
 Operator : KP/SY
 Sample : VD0731SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 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 02:10:04 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	175001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	308032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	285548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82498	47.329	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.660%		
35) Dibromofluoromethane	7.805	113	99198	51.247	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.500%		
50) Toluene-d8	10.269	98	321219	46.387	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.780%		
62) 4-Bromofluorobenzene	12.575	95	107412	47.949	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	29405	21.487	ug/l	97
3) Chloromethane	2.146	50	41284	17.488	ug/l	100
4) Vinyl Chloride	2.281	62	57570	18.294	ug/l	91
5) Bromomethane	2.675	94	50720	19.589	ug/l	97
6) Chloroethane	2.828	64	44631	18.785	ug/l	98
7) Trichlorofluoromethane	3.170	101	60502	21.607	ug/l	98
8) Diethyl Ether	3.587	74	18724	19.422	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.970	101	41662	22.635	ug/l	94
10) Methyl Iodide	4.158	142	41754	20.124	ug/l	92
11) Tert butyl alcohol	5.052	59	14966	115.061	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	34440	19.916	ug/l	94
13) Acrolein	3.793	56	9865	111.296	ug/l	97
14) Allyl chloride	4.564	41	45794	20.159	ug/l	91
15) Acrylonitrile	5.252	53	47018	99.299	ug/l	98
16) Acetone	4.017	43	41547	99.805	ug/l	87
17) Carbon Disulfide	4.264	76	68010	16.839	ug/l	97
18) Methyl Acetate	4.564	43	33702	21.548	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	94019	20.274	ug/l #	91
20) Methylene Chloride	4.799	84	74778	25.022	ug/l #	87
21) trans-1,2-Dichloroethene	5.305	96	39099	19.451	ug/l	96
22) Diisopropyl ether	6.211	45	111513	20.730	ug/l	89
23) Vinyl Acetate	6.152	43	256937m	96.535	ug/l	
24) 1,1-Dichloroethane	6.111	63	75421	20.795	ug/l	99
25) 2-Butanone	7.081	43	61501	110.389	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	69456	22.215	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	49836	20.112	ug/l	93
28) Bromochloromethane	7.422	49	19469	21.471	ug/l	85
29) Tetrahydrofuran	7.446	42	32891	99.920	ug/l	91
30) Chloroform	7.593	83	86856	21.864	ug/l	98
31) Cyclohexane	7.869	56	49497	19.295	ug/l	90
32) 1,1,1-Trichloroethane	7.787	97	71972	22.456	ug/l	95
36) 1,1-Dichloropropene	8.005	75	55392	21.899	ug/l	95
37) Ethyl Acetate	7.169	43	23029	20.358	ug/l	99
38) Carbon Tetrachloride	7.987	117	56260	23.229	ug/l	93
39) Methylcyclohexane	9.269	83	58034	19.870	ug/l	97
40) Benzene	8.252	78	170440	21.356	ug/l	96

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41) Methacrylonitrile	7.399	41	11804	17.088	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	48380	23.330	ug/l	96
43) Isopropyl Acetate	8.358	43	46100	20.882	ug/l	92
44) Trichloroethene	9.034	130	46284	21.282	ug/l	89
45) 1,2-Dichloropropane	9.305	63	45832	22.247	ug/l	95
46) Dibromomethane	9.387	93	28215	23.397	ug/l	86
47) Bromodichloromethane	9.587	83	66367	21.931	ug/l	97
48) Methyl methacrylate	9.381	41	19015	18.925	ug/l #	88
49) 1,4-Dioxane	9.387	88	6604	427.440	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	126938	107.995	ug/l	93
52) Toluene	10.328	92	108484	20.696	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	60550	21.557	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	71377	21.562	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	39002	22.149	ug/l	95
56) Ethyl methacrylate	10.599	69	40974	20.160	ug/l #	89
57) 1,3-Dichloropropane	10.875	76	62071	21.645	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	86819	110.356	ug/l	97
59) 2-Hexanone	10.922	43	85450	101.884	ug/l	94
60) Dibromochloromethane	11.075	129	46464	22.713	ug/l	95
61) 1,2-Dibromoethane	11.175	107	34547	21.161	ug/l	96
64) Tetrachloroethene	10.810	164	34771	21.355	ug/l	93
65) Chlorobenzene	11.604	112	125602	21.871	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	46699	21.841	ug/l	98
67) Ethyl Benzene	11.681	91	213984	21.216	ug/l	95
68) m/p-Xylenes	11.793	106	164564	42.484	ug/l	93
69) o-Xylene	12.122	106	76285	20.366	ug/l	88
70) Styrene	12.134	104	138587	21.135	ug/l	98
71) Bromoform	12.298	173	26119	22.304	ug/l #	98
73) Isopropylbenzene	12.422	105	208508	21.556	ug/l	94
74) N-amyl acetate	12.234	43	42931	21.067	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	45791	22.048	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	30078m	23.723	ug/l	
77) Bromobenzene	12.704	156	50700	22.707	ug/l	88
78) n-propylbenzene	12.763	91	260305	22.198	ug/l	95
79) 2-Chlorotoluene	12.851	91	142269	22.126	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	172745	22.086	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	13085	21.964	ug/l	98
82) 4-Chlorotoluene	12.946	91	147108	21.900	ug/l	96
83) tert-Butylbenzene	13.163	119	150005	21.782	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	169775	21.241	ug/l	96
85) sec-Butylbenzene	13.345	105	228678	21.734	ug/l	96
86) p-Isopropyltoluene	13.463	119	188574	21.701	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	99166	21.594	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	100945	22.435	ug/l	97
89) n-Butylbenzene	13.787	91	181361	21.329	ug/l	99
90) Hexachloroethane	14.051	117	38582	24.016	ug/l	83
91) 1,2-Dichlorobenzene	13.828	146	89949	22.228	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6088	20.559	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	53915	21.824	ug/l	97
94) Hexachlorobutadiene	15.204	225	26187	22.040	ug/l	99
95) Naphthalene	15.328	128	112349	21.003	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	48605	21.924	ug/l	98

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

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