

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075675.D
 Acq On : 14 Apr 2023 12:58
 Operator : KP/SY
 Sample : VD0414SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0414SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

Quant Time: Apr 17 01:29:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	208774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	355887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	395301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	162687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	98330	49.620	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.240%		
35) Dibromofluoromethane	7.805	113	117833	49.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.460%		
50) Toluene-d8	10.269	98	468844	48.910	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.575	95	133139	52.255	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	39841	20.538	ug/l	99
3) Chloromethane	2.146	50	71820	20.504	ug/l	100
4) Vinyl Chloride	2.281	62	94599	20.352	ug/l	98
5) Bromomethane	2.675	94	69287	19.092	ug/l	97
6) Chloroethane	2.828	64	62429	19.949	ug/l	97
7) Trichlorofluoromethane	3.170	101	75746	21.032	ug/l	95
8) Diethyl Ether	3.593	74	21374	19.068	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.969	101	46640	20.652	ug/l	94
10) Methyl Iodide	4.158	142	60319	19.515	ug/l	91
11) Tert butyl alcohol	5.046	59	10788	108.472	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	46614	19.934	ug/l	90
13) Acrolein	3.793	56	19532	97.364	ug/l	98
14) Allyl chloride	4.552	41	41609	19.538	ug/l #	79
15) Acrylonitrile	5.258	53	42730	102.063	ug/l	97
16) Acetone	4.017	43	36149	99.573	ug/l #	89
17) Carbon Disulfide	4.264	76	154462	20.185	ug/l	100
18) Methyl Acetate	4.564	43	26646	21.765	ug/l #	73
19) Methyl tert-butyl Ether	5.311	73	89220	19.660	ug/l	96
20) Methylene Chloride	4.793	84	63446	19.807	ug/l #	72
21) trans-1,2-Dichloroethene	5.305	96	55061	19.771	ug/l #	71
22) Diisopropyl ether	6.211	45	97476	20.256	ug/l #	87
23) Vinyl Acetate	6.152	43	231291	103.477	ug/l #	84
24) 1,1-Dichloroethane	6.111	63	80884	20.284	ug/l	94
25) 2-Butanone	7.081	43	48956	104.733	ug/l #	66
26) 2,2-Dichloropropane	7.075	77	71205	19.697	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	59724	19.359	ug/l	81
28) Bromochloromethane	7.428	49	24770	19.651	ug/l #	48
29) Tetrahydrofuran	7.446	42	27114	106.071	ug/l #	58
30) Chloroform	7.593	83	89463	19.790	ug/l	93
31) Cyclohexane	7.869	56	63421	20.395	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	76412	20.730	ug/l	95
36) 1,1-Dichloropropene	8.005	75	67110	20.322	ug/l	92
37) Ethyl Acetate	7.175	43	21755	21.647	ug/l #	81
38) Carbon Tetrachloride	7.993	117	60060	20.653	ug/l	91
39) Methylcyclohexane	9.275	83	76722	20.092	ug/l	92
40) Benzene	8.252	78	204703	19.940	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	9018	18.699	ug/l #	51
42) 1,2-Dichloroethane	8.328	62	47537	20.387	ug/l	91
43) Isopropyl Acetate	8.363	43	37881	20.671	ug/l #	79
44) Trichloroethene	9.028	130	55486	19.098	ug/l	93
45) 1,2-Dichloropropane	9.304	63	44636	19.403	ug/l	96
46) Dibromomethane	9.393	93	29316	20.087	ug/l	94
47) Bromodichloromethane	9.587	83	67680	20.273	ug/l	97
48) Methyl methacrylate	9.375	41	17536	21.478	ug/l #	64
49) 1,4-Dioxane	9.387	88	5846	403.734	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	97814	100.108	ug/l #	77
52) Toluene	10.334	92	133405	19.543	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	60953	19.046	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	73124	19.231	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	41019	19.411	ug/l	94
56) Ethyl methacrylate	10.599	69	39537	19.012	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	62294	19.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	92731	103.829	ug/l #	88
59) 2-Hexanone	10.922	43	70502	102.622	ug/l	75
60) Dibromochloromethane	11.075	129	47358	19.152	ug/l	99
61) 1,2-Dibromoethane	11.181	107	39072	19.383	ug/l	98
64) Tetrachloroethene	10.810	164	47346	16.631	ug/l	98
65) Chlorobenzene	11.610	112	171147	20.214	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	57698	19.822	ug/l	95
67) Ethyl Benzene	11.687	91	264141	19.223	ug/l	95
68) m/p-Xylenes	11.793	106	219388	38.958	ug/l	91
69) o-Xylene	12.122	106	106266	20.869	ug/l	87
70) Styrene	12.134	104	179076	19.435	ug/l	93
71) Bromoform	12.298	173	31401	20.637	ug/l #	96
73) Isopropylbenzene	12.422	105	242896	22.749	ug/l	97
74) N-amyl acetate	12.234	43	36957	23.555	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.675	83	46030	22.193	ug/l	94
76) 1,2,3-Trichloropropane	12.728	75	30504m	22.992	ug/l	
77) Bromobenzene	12.698	156	54448	19.780	ug/l	94
78) n-propylbenzene	12.763	91	279618	21.365	ug/l	99
79) 2-Chlorotoluene	12.851	91	151966	20.472	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	186092	20.907	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	12937	21.135	ug/l #	74
82) 4-Chlorotoluene	12.945	91	156775	20.311	ug/l	93
83) tert-Butylbenzene	13.169	119	152621	20.335	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	187914	21.039	ug/l	96
85) sec-Butylbenzene	13.345	105	246228	21.266	ug/l	98
86) p-Isopropyltoluene	13.463	119	199205	20.667	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	114521	19.999	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	113441	20.052	ug/l	98
89) n-Butylbenzene	13.787	91	182538	20.559	ug/l	99
90) Hexachloroethane	14.057	117	40134	20.956	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	99811	20.347	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5501	19.785	ug/l	77
93) 1,2,4-Trichlorobenzene	15.098	180	53112	18.611	ug/l	99
94) Hexachlorobutadiene	15.210	225	26935	19.747	ug/l	94
95) Naphthalene	15.334	128	99610	18.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	47834	19.043	ug/l	93

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

