

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050824\
 Data File : VD078891.D
 Acq On : 08 May 2024 16:11
 Operator : RP/MD
 Sample : VD0508SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024

Quant Time: May 09 04:45:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 19:40:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	106261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	177764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	163110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	49411	41.893	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.780%		
35) Dibromofluoromethane	7.799	113	60162	46.094	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.180%		
50) Toluene-d8	10.269	98	220382	43.998	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.000%		
62) 4-Bromofluorobenzene	12.575	95	62912	43.886	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.780%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	21038	17.514	ug/l	93
3) Chloromethane	2.146	50	29070	16.283	ug/l	99
4) Vinyl Chloride	2.281	62	48755	18.813	ug/l	99
5) Bromomethane	2.681	94	39624	15.323	ug/l	93
6) Chloroethane	2.828	64	39463	18.485	ug/l	99
7) Trichlorofluoromethane	3.170	101	36350	17.234	ug/l	90
8) Diethyl Ether	3.587	74	9367	16.287	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.964	101	22795	17.989	ug/l	99
10) Methyl Iodide	4.164	142	21254	15.381	ug/l	96
11) Tert butyl alcohol	5.058	59	5236m	96.915	ug/l	
12) 1,1-Dichloroethene	3.934	96	20670	16.452	ug/l	94
13) Acrolein	3.799	56	8467	81.143	ug/l	97
14) Allyl chloride	4.558	41	20346	16.133	ug/l	99
15) Acrylonitrile	5.258	53	20648	90.192	ug/l	99
16) Acetone	4.028	43	15685	89.180	ug/l	100
17) Carbon Disulfide	4.269	76	55343	13.320	ug/l	96
18) Methyl Acetate	4.569	43	7817	17.929	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	38889	16.355	ug/l	100
20) Methylene Chloride	4.799	84	40417	25.259	ug/l	90
21) trans-1,2-Dichloroethene	5.305	96	22745	16.145	ug/l	87
22) Diisopropyl ether	6.216	45	49200	17.642	ug/l #	91
23) Vinyl Acetate	6.152	43	137306	81.668	ug/l	95
24) 1,1-Dichloroethane	6.111	63	38891	17.322	ug/l	100
25) 2-Butanone	7.087	43	20762	84.173	ug/l	96
26) 2,2-Dichloropropane	7.075	77	33162	17.505	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	27132	16.861	ug/l	98
28) Bromochloromethane	7.422	49	18241	21.594	ug/l	98
29) Tetrahydrofuran	7.446	42	12711	88.069	ug/l	98
30) Chloroform	7.593	83	45433	18.134	ug/l	95
31) Cyclohexane	7.869	56	25094	14.331	ug/l #	94
32) 1,1,1-Trichloroethane	7.787	97	38650	18.290	ug/l	99
36) 1,1-Dichloropropene	8.005	75	27556	16.414	ug/l	100
37) Ethyl Acetate	7.169	43	10181	18.335	ug/l	98
38) Carbon Tetrachloride	7.987	117	33587	17.380	ug/l	95
39) Methylcyclohexane	9.269	83	31506	15.231	ug/l	98
40) Benzene	8.252	78	90963	16.545	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	5628	20.524	ug/l	88
42) 1,2-Dichloroethane	8.328	62	22982	17.706	ug/l	99
43) Isopropyl Acetate	8.363	43	17574	17.302	ug/l #	80
44) Trichloroethene	9.028	130	24106	17.406	ug/l	93
45) 1,2-Dichloropropane	9.305	63	22134	18.358	ug/l	98
46) Dibromomethane	9.393	93	13276	17.295	ug/l	98
47) Bromodichloromethane	9.581	83	33766	17.765	ug/l	88
48) Methyl methacrylate	9.381	41	7318	15.371	ug/l	87
49) 1,4-Dioxane	9.393	88	2170	309.786	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	46927	86.278	ug/l	99
52) Toluene	10.334	92	59925	17.353	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	27745	17.409	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	32554	16.912	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	17730	17.808	ug/l	95
56) Ethyl methacrylate	10.599	69	17593	17.197	ug/l	99
57) 1,3-Dichloropropane	10.875	76	27191	17.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	44664	99.987	ug/l	100
59) 2-Hexanone	10.922	43	33212	86.239	ug/l	98
60) Dibromochloromethane	11.075	129	23855	17.677	ug/l	100
61) 1,2-Dibromoethane	11.175	107	16250	17.599	ug/l	100
64) Tetrachloroethene	10.810	164	20114	18.079	ug/l	94
65) Chlorobenzene	11.604	112	70889	18.937	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	23696	18.102	ug/l	98
67) Ethyl Benzene	11.681	91	105374	17.210	ug/l	96
68) m/p-Xylenes	11.793	106	85618	34.535	ug/l	98
69) o-Xylene	12.122	106	38685	17.068	ug/l	98
70) Styrene	12.134	104	71789	18.013	ug/l	98
71) Bromoform	12.299	173	14005	19.760	ug/l #	91
73) Isopropylbenzene	12.422	105	101891	17.655	ug/l	99
74) N-amyl acetate	12.234	43	17012	17.721	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	20193	18.675	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	15948m	22.390	ug/l	
77) Bromobenzene	12.698	156	26121	17.617	ug/l	97
78) n-propylbenzene	12.763	91	125401	17.930	ug/l	100
79) 2-Chlorotoluene	12.851	91	68332	17.504	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	86400	18.029	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	6146	16.859	ug/l	99
82) 4-Chlorotoluene	12.946	91	74763	17.959	ug/l	98
83) tert-Butylbenzene	13.163	119	73921	17.921	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	86839	17.703	ug/l	99
85) sec-Butylbenzene	13.345	105	113634	18.141	ug/l	98
86) p-Isopropyltoluene	13.463	119	95400	17.574	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	55447	17.856	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	58331	18.976	ug/l	96
89) n-Butylbenzene	13.787	91	84534	17.468	ug/l	99
90) Hexachloroethane	14.051	117	21475	18.491	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	47300	17.798	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.440	75	2752	18.694	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	27012	18.296	ug/l	95
94) Hexachlorobutadiene	15.204	225	14246	18.836	ug/l	96
95) Naphthalene	15.328	128	45244	17.010	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	24551	18.771	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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