

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101923\
 Data File : VD077352.D
 Acq On : 19 Oct 2023 13:42
 Operator : JC/SY
 Sample : VD1019SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 20 02:06:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	171453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	297564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	275698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	88301	57.676	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.360%			
35) Dibromofluoromethane	7.805	113	102248	48.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.820%			
50) Toluene-d8	10.269	98	383342	51.202	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.400%			
62) 4-Bromofluorobenzene	12.575	95	107282	49.780	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	39651	24.876	ug/l	88
3) Chloromethane	2.152	50	72282	22.269	ug/l	93
4) Vinyl Chloride	2.287	62	85556	22.314	ug/l	100
5) Bromomethane	2.687	94	63242	25.667	ug/l	99
6) Chloroethane	2.840	64	67706	25.119	ug/l	99
7) Trichlorofluoromethane	3.175	101	102515	26.356	ug/l	98
8) Diethyl Ether	3.593	74	31069	29.803	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.969	101	51641	25.663	ug/l	96
10) Methyl Iodide	4.164	142	52077	21.150	ug/l	93
11) Tert butyl alcohol	5.058	59	11350	131.789	ug/l	96
12) 1,1-Dichloroethene	3.940	96	51663	26.170	ug/l	95
13) Acrolein	3.793	56	24216	161.979	ug/l	95
14) Allyl chloride	4.569	41	40234	21.480	ug/l	95
15) Acrylonitrile	5.252	53	41098	130.090	ug/l	98
16) Acetone	4.016	43	43603	129.878	ug/l	97
17) Carbon Disulfide	4.275	76	142601	24.573	ug/l	99
18) Methyl Acetate	4.558	43	27770	23.767	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	78237	23.268	ug/l	100
20) Methylene Chloride	4.799	84	76636	36.420	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	44848	21.843	ug/l	93
22) Diisopropyl ether	6.210	45	97266	26.453	ug/l	97
23) Vinyl Acetate	6.152	43	231128	134.135	ug/l #	91
24) 1,1-Dichloroethane	6.110	63	75174	24.590	ug/l	95
25) 2-Butanone	7.081	43	46598	133.803	ug/l	95
26) 2,2-Dichloropropane	7.075	77	65189	23.387	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	51147	22.217	ug/l	98
28) Bromochloromethane	7.422	49	30058	26.916	ug/l	85
29) Tetrahydrofuran	7.440	42	27203	135.411	ug/l	95
30) Chloroform	7.593	83	82422	23.499	ug/l	95
31) Cyclohexane	7.881	56	55754	23.407	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	68099	22.505	ug/l	98
36) 1,1-Dichloropropene	8.010	75	59316	21.594	ug/l	98
37) Ethyl Acetate	7.163	43	21396	24.797	ug/l	97
38) Carbon Tetrachloride	7.993	117	61827	20.233	ug/l	99
39) Methylcyclohexane	9.275	83	63088	18.902	ug/l	91
40) Benzene	8.252	78	179043	21.478	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	9084m	22.060	ug/l	
42) 1,2-Dichloroethane	8.328	62	44004	22.411	ug/l	96
43) Isopropyl Acetate	8.363	43	37962	24.439	ug/l #	80
44) Trichloroethene	9.028	130	47685	19.566	ug/l	94
45) 1,2-Dichloropropane	9.304	63	42247	21.986	ug/l	97
46) Dibromomethane	9.393	93	26659	22.191	ug/l	89
47) Bromodichloromethane	9.581	83	61388	21.430	ug/l	97
48) Methyl methacrylate	9.381	41	16355	23.274	ug/l	93
49) 1,4-Dioxane	9.381	88	4933	439.479	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	96571	124.021	ug/l	95
52) Toluene	10.334	92	115072	21.142	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	55407	21.548	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	67802	21.552	ug/l	93
55) 1,1,2-Trichloroethane	10.728	97	36748	22.086	ug/l	88
56) Ethyl methacrylate	10.598	69	34169	21.488	ug/l	95
57) 1,3-Dichloropropane	10.881	76	55201	21.597	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	98723	125.542	ug/l	98
59) 2-Hexanone	10.922	43	69865	124.926	ug/l	95
60) Dibromochloromethane	11.075	129	41519	19.542	ug/l	95
61) 1,2-Dibromoethane	11.181	107	33707	21.498	ug/l	98
64) Tetrachloroethene	10.810	164	37304	18.204	ug/l	92
65) Chlorobenzene	11.610	112	120355	20.028	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	43671	19.118	ug/l	99
67) Ethyl Benzene	11.687	91	197844	19.861	ug/l	97
68) m/p-Xylenes	11.793	106	163669	40.010	ug/l	94
69) o-Xylene	12.122	106	74268	19.722	ug/l	96
70) Styrene	12.134	104	129063	20.088	ug/l	99
71) Bromoform	12.298	173	24912	19.894	ug/l #	97
73) Isopropylbenzene	12.422	105	187133	20.596	ug/l	96
74) N-amyl acetate	12.234	43	33918	25.950	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	40994	24.829	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	31552m	18.732	ug/l	
77) Bromobenzene	12.698	156	46195	19.366	ug/l	93
78) n-propylbenzene	12.763	91	239276	21.867	ug/l	97
79) 2-Chlorotoluene	12.851	91	129116	21.664	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	159343	21.252	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.475	75	12186	23.771	ug/l	97
82) 4-Chlorotoluene	12.945	91	137220	22.114	ug/l	99
83) tert-Butylbenzene	13.169	119	134625	20.252	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	159570	21.138	ug/l	96
85) sec-Butylbenzene	13.345	105	208966	20.890	ug/l	94
86) p-Isopropyltoluene	13.463	119	171863	19.777	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	99746	19.870	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	102231	20.551	ug/l	99
89) n-Butylbenzene	13.787	91	161121	21.293	ug/l	98
90) Hexachloroethane	14.051	117	36962	21.042	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	85583	20.182	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5332	26.385	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	48455	18.340	ug/l	96
94) Hexachlorobutadiene	15.204	225	24839	16.554	ug/l	99
95) Naphthalene	15.334	128	86450	19.380	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	43235	18.853	ug/l	98

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

