

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077130.D
 Acq On : 18 Sep 2023 15:26
 Operator : JC/SY
 Sample : VD0918SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2023
 Supervised By : Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 04:56:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	215106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	358844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	344798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	176638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	109415	50.401	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.800%			
35) Dibromofluoromethane	7.804	113	125196	50.229	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%			
50) Toluene-d8	10.269	98	453527	51.120	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.575	95	138222	50.267	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	55389	24.917	ug/l	92
3) Chloromethane	2.146	50	89580	21.800	ug/l	99
4) Vinyl Chloride	2.281	62	101361	23.060	ug/l	99
5) Bromomethane	2.681	94	63285	19.768	ug/l	100
6) Chloroethane	2.828	64	53641	19.612	ug/l	100
7) Trichlorofluoromethane	3.169	101	93049	23.420	ug/l	100
8) Diethyl Ether	3.593	74	24313	18.961	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.963	101	59213	23.838	ug/l	98
10) Methyl Iodide	4.158	142	73762	20.776	ug/l	92
11) Tert butyl alcohol	5.052	59	11922	96.321	ug/l	100
12) 1,1-Dichloroethene	3.940	96	54870	21.928	ug/l	85
13) Acrolein	3.799	56	13376	150.721	ug/l	100
14) Allyl chloride	4.558	41	63063	20.657	ug/l	93
15) Acrylonitrile	5.252	53	55362	102.962	ug/l	99
16) Acetone	4.022	43	48680	98.114	ug/l #	76
17) Carbon Disulfide	4.269	76	178181	21.630	ug/l	97
18) Methyl Acetate	4.563	43	38110	20.313	ug/l	94
19) Methyl tert-butyl Ether	5.310	73	109553	20.233	ug/l	97
20) Methylene Chloride	4.799	84	85279	23.188	ug/l	88
21) trans-1,2-Dichloroethene	5.310	96	62816	20.767	ug/l	97
22) Diisopropyl ether	6.216	45	140345	20.332	ug/l	95
23) Vinyl Acetate	6.157	43	280546m	101.665	ug/l	
24) 1,1-Dichloroethane	6.110	63	102096	20.608	ug/l	99
25) 2-Butanone	7.075	43	65754	100.734	ug/l	91
26) 2,2-Dichloropropane	7.075	77	87499	20.807	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	67781	19.933	ug/l	96
28) Bromochloromethane	7.422	49	32078	21.086	ug/l	88
29) Tetrahydrofuran	7.440	42	40268	105.527	ug/l	88
30) Chloroform	7.593	83	108765	20.371	ug/l	91
31) Cyclohexane	7.875	56	82460	21.712	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	96296	21.607	ug/l	97
36) 1,1-Dichloropropene	8.004	75	82975	22.105	ug/l	97
37) Ethyl Acetate	7.169	43	28602	19.860	ug/l	96
38) Carbon Tetrachloride	7.993	117	79469	21.540	ug/l	93
39) Methylcyclohexane	9.275	83	96111	22.253	ug/l	98
40) Benzene	8.246	78	236673	20.379	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	15962	20.765	ug/l	# 93
42) 1,2-Dichloroethane	8.328	62	61409	21.327	ug/l	97
43) Isopropyl Acetate	8.357	43	54743	20.645	ug/l	91
44) Trichloroethene	9.028	130	65027	20.230	ug/l	92
45) 1,2-Dichloropropane	9.304	63	56840	20.150	ug/l	97
46) Dibromomethane	9.393	93	35433	21.616	ug/l	93
47) Bromodichloromethane	9.587	83	81772	20.643	ug/l	# 97
48) Methyl methacrylate	9.381	41	25833	21.440	ug/l	# 81
49) 1,4-Dioxane	9.387	88	6126	414.031	ug/l	# 92
51) 4-Methyl-2-Pentanone	10.157	43	141520	102.050	ug/l	91
52) Toluene	10.334	92	155242	20.895	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	75357	20.363	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	90246	20.354	ug/l	# 91
55) 1,1,2-Trichloroethane	10.734	97	44967	20.169	ug/l	96
56) Ethyl methacrylate	10.598	69	47868	19.985	ug/l	90
57) 1,3-Dichloropropane	10.881	76	74314	20.590	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	70938	78.527	ug/l	99
59) 2-Hexanone	10.922	43	100153	100.656	ug/l	89
60) Dibromochloromethane	11.075	129	56520	20.698	ug/l	98
61) 1,2-Dibromoethane	11.181	107	43604	20.231	ug/l	97
64) Tetrachloroethene	10.810	164	56261	20.972	ug/l	88
65) Chlorobenzene	11.604	112	165201	20.367	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	58879	19.842	ug/l	98
67) Ethyl Benzene	11.687	91	280356	20.109	ug/l	99
68) m/p-Xylenes	11.792	106	225540	40.403	ug/l	93
69) o-Xylene	12.122	106	102458	19.997	ug/l	94
70) Styrene	12.134	104	178333	20.430	ug/l	98
71) Bromoform	12.298	173	33455	20.339	ug/l	# 98
73) Isopropylbenzene	12.422	105	264780	20.287	ug/l	97
74) N-amyl acetate	12.234	43	48616	19.829	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	49798	20.218	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	27136m	19.259	ug/l	
77) Bromobenzene	12.704	156	67027	20.624	ug/l	97
78) n-propylbenzene	12.763	91	334986	20.998	ug/l	97
79) 2-Chlorotoluene	12.845	91	180911	20.564	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	222900	20.449	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.475	75	15361	20.635	ug/l	98
82) 4-Chlorotoluene	12.945	91	189129	20.455	ug/l	98
83) tert-Butylbenzene	13.169	119	190683	20.476	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	222064	20.091	ug/l	98
85) sec-Butylbenzene	13.345	105	294101	21.046	ug/l	96
86) p-Isopropyltoluene	13.463	119	246631	20.804	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	132885	19.882	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	134345	20.430	ug/l	98
89) n-Butylbenzene	13.786	91	225292	20.601	ug/l	98
90) Hexachloroethane	14.057	117	48716	20.721	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	115030	20.073	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6938	21.095	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	71164	20.129	ug/l	98
94) Hexachlorobutadiene	15.204	225	38841	20.732	ug/l	97
95) Naphthalene	15.333	128	123256	19.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	62433	19.868	ug/l	99

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

