

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077129.D
 Acq On : 18 Sep 2023 14:59
 Operator : JC/SY
 Sample : VD0918SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 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 04:55:33 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	213546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	359778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	336844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	177501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	112534	52.217	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.440%			
35) Dibromofluoromethane	7.805	113	129502	51.822	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.640%			
50) Toluene-d8	10.269	98	479117	53.864	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.575	95	144754	52.505	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	54602	24.742	ug/l	87
3) Chloromethane	2.146	50	91783	22.499	ug/l	100
4) Vinyl Chloride	2.281	62	93776	21.490	ug/l	97
5) Bromomethane	2.681	94	76187	23.972	ug/l	94
6) Chloroethane	2.834	64	66271	24.407	ug/l	97
7) Trichlorofluoromethane	3.170	101	101764	25.801	ug/l	100
8) Diethyl Ether	3.587	74	25372	19.931	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.964	101	58185	23.595	ug/l	99
10) Methyl Iodide	4.164	142	69629	19.755	ug/l #	89
11) Tert butyl alcohol	5.058	59	11787	95.926	ug/l #	85
12) 1,1-Dichloroethene	3.934	96	53440	21.512	ug/l	96
13) Acrolein	3.793	56	12553	140.282	ug/l	94
14) Allyl chloride	4.564	41	63673	21.009	ug/l	94
15) Acrylonitrile	5.252	53	55300	103.598	ug/l	98
16) Acetone	4.022	43	47523	96.481	ug/l	92
17) Carbon Disulfide	4.269	76	178191	21.790	ug/l	100
18) Methyl Acetate	4.558	43	40210	21.589	ug/l	93
19) Methyl tert-butyl Ether	5.311	73	108661	20.215	ug/l	95
20) Methylene Chloride	4.799	84	84704	23.203	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	61943	20.628	ug/l	93
22) Diisopropyl ether	6.216	45	137091	20.006	ug/l	94
23) Vinyl Acetate	6.158	43	277651m	101.351	ug/l	
24) 1,1-Dichloroethane	6.111	63	103618	21.068	ug/l	96
25) 2-Butanone	7.081	43	64481	99.505	ug/l #	84
26) 2,2-Dichloropropane	7.075	77	86529	20.727	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	68562	20.310	ug/l	98
28) Bromochloromethane	7.422	49	32087	21.246	ug/l	84
29) Tetrahydrofuran	7.446	42	38451	101.501	ug/l	91
30) Chloroform	7.599	83	111177	20.975	ug/l	97
31) Cyclohexane	7.875	56	86024	22.816	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	96921	21.906	ug/l	95
36) 1,1-Dichloropropene	8.005	75	82219	21.846	ug/l	97
37) Ethyl Acetate	7.163	43	27085	18.758	ug/l	97
38) Carbon Tetrachloride	7.987	117	82400	22.276	ug/l	96
39) Methylcyclohexane	9.275	83	97130	22.431	ug/l	98
40) Benzene	8.252	78	243165	20.883	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	15478	20.083	ug/l	93
42) 1,2-Dichloroethane	8.328	62	58646	20.315	ug/l	98
43) Isopropyl Acetate	8.363	43	53999	20.312	ug/l	96
44) Trichloroethene	9.028	130	66021	20.486	ug/l	91
45) 1,2-Dichloropropane	9.305	63	59015	20.867	ug/l	96
46) Dibromomethane	9.399	93	35915	21.854	ug/l	92
47) Bromodichloromethane	9.581	83	81981	20.643	ug/l #	90
48) Methyl methacrylate	9.381	41	23686	19.607	ug/l	89
49) 1,4-Dioxane	9.387	88	6103	411.406	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	138919	99.914	ug/l	92
52) Toluene	10.334	92	156482	21.007	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	75655	20.390	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	89848	20.212	ug/l #	94
55) 1,1,2-Trichloroethane	10.734	97	46072	20.611	ug/l	91
56) Ethyl methacrylate	10.599	69	47993	19.985	ug/l	91
57) 1,3-Dichloropropane	10.881	76	76652	21.183	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	71882	79.077	ug/l	100
59) 2-Hexanone	10.922	43	99301	99.540	ug/l	89
60) Dibromochloromethane	11.075	129	57374	20.956	ug/l	98
61) 1,2-Dibromoethane	11.181	107	45334	20.979	ug/l	97
64) Tetrachloroethene	10.810	164	57509	21.943	ug/l	92
65) Chlorobenzene	11.610	112	167893	21.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	60861	20.994	ug/l	98
67) Ethyl Benzene	11.687	91	284334	20.876	ug/l	99
68) m/p-Xylenes	11.793	106	232313	42.599	ug/l	93
69) o-Xylene	12.122	106	104119	20.801	ug/l	93
70) Styrene	12.134	104	181677	21.304	ug/l	98
71) Bromoform	12.298	173	34101	21.221	ug/l #	98
73) Isopropylbenzene	12.422	105	270788	20.646	ug/l	96
74) N-amyl acetate	12.234	43	49977	20.285	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.669	83	51247	20.705	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	27260m	19.253	ug/l	
77) Bromobenzene	12.698	156	66126	20.248	ug/l	96
78) n-propylbenzene	12.763	91	337525	21.054	ug/l	98
79) 2-Chlorotoluene	12.851	91	182671	20.663	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	228830	20.891	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	14990	20.039	ug/l	98
82) 4-Chlorotoluene	12.945	91	195296	21.019	ug/l	97
83) tert-Butylbenzene	13.169	119	192288	20.548	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	231986	20.887	ug/l	97
85) sec-Butylbenzene	13.345	105	299845	21.353	ug/l	96
86) p-Isopropyltoluene	13.463	119	254522	21.365	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	137024	20.402	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	135822	20.554	ug/l	96
89) n-Butylbenzene	13.787	91	230755	20.998	ug/l	98
90) Hexachloroethane	14.051	117	50352	21.312	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	118059	20.502	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6765	20.469	ug/l	90
93) 1,2,4-Trichlorobenzene	15.104	180	69963	19.693	ug/l	99
94) Hexachlorobutadiene	15.204	225	41038	21.798	ug/l	97
95) Naphthalene	15.334	128	125937	19.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	63503	20.110	ug/l	99

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

