

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091923\
 Data File : VD077146.D
 Acq On : 19 Sep 2023 15:06
 Operator : JC/SY
 Sample : VD0919SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/20/2023
 Supervised By :Semsettin Yesilyurt 09/20/2023

Quant Time: Sep 20 02:02:06 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	207139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	351008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	330773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	167438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80766	38.635	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.280%		
35) Dibromofluoromethane	7.804	113	93968	38.542	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	77.080%		
50) Toluene-d8	10.269	98	339142	39.080	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	78.160%		
62) 4-Bromofluorobenzene	12.575	95	102158	37.981	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	75.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	51253	23.943	ug/l	96
3) Chloromethane	2.146	50	87069	22.004	ug/l	100
4) Vinyl Chloride	2.281	62	94303	22.279	ug/l	97
5) Bromomethane	2.681	94	59207	19.205	ug/l	98
6) Chloroethane	2.828	64	59296	22.514	ug/l	98
7) Trichlorofluoromethane	3.169	101	87953	22.989	ug/l	100
8) Diethyl Ether	3.587	74	24647	19.960	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.963	101	52319	21.873	ug/l	100
10) Methyl Iodide	4.158	142	68815	20.128	ug/l #	89
11) Tert butyl alcohol	5.069	59	15540m	130.381	ug/l	
12) 1,1-Dichloroethene	3.934	96	48892	20.290	ug/l	88
13) Acrolein	3.787	56	10591	116.687	ug/l	92
14) Allyl chloride	4.552	41	61755	21.006	ug/l	92
15) Acrylonitrile	5.246	53	50838	98.185	ug/l	99
16) Acetone	4.016	43	46847	98.051	ug/l	90
17) Carbon Disulfide	4.269	76	159609	20.121	ug/l	97
18) Methyl Acetate	4.558	43	35477	19.637	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	105509	20.235	ug/l	97
20) Methylene Chloride	4.805	84	100903	30.148	ug/l	97
21) trans-1,2-Dichloroethene	5.310	96	58905	20.223	ug/l	97
22) Diisopropyl ether	6.216	45	132414	19.921	ug/l	96
23) Vinyl Acetate	6.152	43	257646m	96.957	ug/l	
24) 1,1-Dichloroethane	6.110	63	98048	20.552	ug/l	99
25) 2-Butanone	7.081	43	64357	102.386	ug/l #	84
26) 2,2-Dichloropropane	7.075	77	88935	21.962	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	63901	19.515	ug/l	90
28) Bromochloromethane	7.416	49	25873	17.662	ug/l #	1
29) Tetrahydrofuran	7.440	42	36443	99.176	ug/l	90
30) Chloroform	7.593	83	107197	20.849	ug/l	91
31) Cyclohexane	7.875	56	73404	20.071	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	89369	20.824	ug/l	99
36) 1,1-Dichloropropene	8.004	75	78166	21.288	ug/l	97
37) Ethyl Acetate	7.163	43	27424	19.467	ug/l #	91
38) Carbon Tetrachloride	7.993	117	73569	20.386	ug/l	95
39) Methylcyclohexane	9.275	83	84861	20.087	ug/l	96
40) Benzene	8.246	78	230685	20.307	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	12636	16.805	ug/l #	92
42) 1,2-Dichloroethane	8.322	62	56961	20.224	ug/l	100
43) Isopropyl Acetate	8.363	43	50939	19.639	ug/l	97
44) Trichloroethene	9.028	130	61708	19.626	ug/l	83
45) 1,2-Dichloropropane	9.304	63	56681	20.542	ug/l	100
46) Dibromomethane	9.393	93	31915	19.905	ug/l	97
47) Bromodichloromethane	9.581	83	79319	20.471	ug/l	99
48) Methyl methacrylate	9.381	41	24073	20.426	ug/l #	80
49) 1,4-Dioxane	9.381	88	5516	381.126	ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	129790	95.681	ug/l	91
52) Toluene	10.334	92	143348	19.725	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	71921	19.868	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	87656	20.211	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	42840	19.644	ug/l	91
56) Ethyl methacrylate	10.598	69	44066	18.808	ug/l	91
57) 1,3-Dichloropropane	10.881	76	70335	19.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	68894	78.160	ug/l	99
59) 2-Hexanone	10.922	43	91729	94.248	ug/l	91
60) Dibromochloromethane	11.075	129	52295	19.578	ug/l	98
61) 1,2-Dibromoethane	11.181	107	40114	19.027	ug/l	98
64) Tetrachloroethene	10.810	164	53977	20.974	ug/l	94
65) Chlorobenzene	11.610	112	157713	20.268	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	57727	20.278	ug/l	96
67) Ethyl Benzene	11.681	91	268029	20.040	ug/l	95
68) m/p-Xylenes	11.793	106	213823	39.928	ug/l	91
69) o-Xylene	12.122	106	97982	19.934	ug/l	92
70) Styrene	12.134	104	170181	20.322	ug/l	97
71) Bromoform	12.298	173	30683	19.444	ug/l #	95
73) Isopropylbenzene	12.422	105	252996	20.449	ug/l	98
74) N-amyl acetate	12.234	43	46258	19.904	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	48831	20.915	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	25149m	18.830	ug/l	
77) Bromobenzene	12.698	156	62564	20.309	ug/l	94
78) n-propylbenzene	12.763	91	319267	21.112	ug/l	96
79) 2-Chlorotoluene	12.851	91	173685	20.827	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	215644	20.870	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	13874	19.662	ug/l	97
82) 4-Chlorotoluene	12.945	91	185906	21.211	ug/l	96
83) tert-Butylbenzene	13.169	119	177416	20.098	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	213176	20.347	ug/l	97
85) sec-Butylbenzene	13.345	105	276569	20.879	ug/l	96
86) p-Isopropyltoluene	13.463	119	228487	20.333	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	126531	19.972	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	128668	20.642	ug/l	98
89) n-Butylbenzene	13.787	91	214408	20.683	ug/l	98
90) Hexachloroethane	14.051	117	44976	20.181	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	107508	19.791	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6977	22.380	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	67543	20.154	ug/l	96
94) Hexachlorobutadiene	15.204	225	36375	20.482	ug/l	99
95) Naphthalene	15.333	128	114812	18.683	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.522	180	58169	19.528	ug/l	99

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

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