

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077163.D
 Acq On : 20 Sep 2023 12:05
 Operator : JC/SY
 Sample : VD0920SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/21/2023
 Supervised By :Semsettin Yesilyurt 09/21/2023

Quant Time: Sep 21 02:22:57 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	194942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	332879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	317348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	163117	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	103045	52.377	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.760%	
35) Dibromofluoromethane	7.810	113	120160	51.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.940%	
50) Toluene-d8	10.269	98	436858	53.082	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.160%	
62) 4-Bromofluorobenzene	12.575	95	129702	50.847	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.700%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	49720	24.680	ug/l	96
3) Chloromethane	2.146	50	85262	22.895	ug/l	98
4) Vinyl Chloride	2.281	62	92655	23.259	ug/l	97
5) Bromomethane	2.681	94	70227	24.205	ug/l	98
6) Chloroethane	2.828	64	63007	25.419	ug/l	99
7) Trichlorofluoromethane	3.175	101	87894	24.411	ug/l	99
8) Diethyl Ether	3.587	74	24209	20.832	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.964	101	52435	23.293	ug/l	99
10) Methyl Iodide	4.158	142	68935	21.425	ug/l #	90
11) Tert butyl alcohol	5.052	59	13544	120.744	ug/l	95
12) 1,1-Dichloroethene	3.940	96	47777	21.068	ug/l	92
13) Acrolein	3.787	56	12789	161.199	ug/l	94
14) Allyl chloride	4.558	41	59303	21.434	ug/l	92
15) Acrylonitrile	5.252	53	54274	111.380	ug/l	99
16) Acetone	4.017	43	49075	109.141	ug/l	94
17) Carbon Disulfide	4.264	76	157901	21.151	ug/l	99
18) Methyl Acetate	4.569	43	38028	22.366	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	103621	21.117	ug/l	95
20) Methylene Chloride	4.799	84	83367	25.583	ug/l #	88
21) trans-1,2-Dichloroethene	5.305	96	58677	21.405	ug/l	99
22) Diisopropyl ether	6.216	45	133988	21.419	ug/l	96
23) Vinyl Acetate	6.158	43	259170	103.633	ug/l #	91
24) 1,1-Dichloroethane	6.111	63	95850	21.349	ug/l	97
25) 2-Butanone	7.081	43	68585	115.939	ug/l	95
26) 2,2-Dichloropropane	7.069	77	84865	22.268	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	65145	21.140	ug/l	98
28) Bromochloromethane	7.422	49	30396	22.047	ug/l	87
29) Tetrahydrofuran	7.440	42	37593	108.707	ug/l	92
30) Chloroform	7.593	83	104182	21.531	ug/l	100
31) Cyclohexane	7.881	56	71552	20.789	ug/l	91
32) 1,1,1-Trichloroethane	7.799	97	90250	22.345	ug/l	98
36) 1,1-Dichloropropene	8.005	75	76504	21.971	ug/l	97
37) Ethyl Acetate	7.163	43	30947	23.165	ug/l	93
38) Carbon Tetrachloride	7.993	117	73975	21.615	ug/l	99
39) Methylcyclohexane	9.275	83	81795	20.416	ug/l	94
40) Benzene	8.252	78	226691	21.042	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	13572m	19.033	ug/l	
42) 1,2-Dichloroethane	8.322	62	58937	22.065	ug/l	97
43) Isopropyl Acetate	8.363	43	50502	20.531	ug/l	94
44) Trichloroethene	9.028	130	62900	21.095	ug/l	99
45) 1,2-Dichloropropane	9.305	63	55622	21.256	ug/l	98
46) Dibromomethane	9.393	93	33488	22.023	ug/l	95
47) Bromodichloromethane	9.587	83	78600	21.390	ug/l	99
48) Methyl methacrylate	9.381	41	23635	21.146	ug/l	88
49) 1,4-Dioxane	9.381	88	6232	454.049	ug/l #	94
51) 4-Methyl-2-Pentanone	10.157	43	135762	105.534	ug/l	91
52) Toluene	10.334	92	148706	21.576	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	72474	21.111	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	84437	20.530	ug/l #	92
55) 1,1,2-Trichloroethane	10.728	97	44484	21.509	ug/l	94
56) Ethyl methacrylate	10.599	69	46916	21.115	ug/l	94
57) 1,3-Dichloropropane	10.875	76	73384	21.919	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	68125	80.343	ug/l	99
59) 2-Hexanone	10.922	43	98070	106.250	ug/l	90
60) Dibromochloromethane	11.075	129	53436	21.095	ug/l	97
61) 1,2-Dibromoethane	11.181	107	43354	21.684	ug/l	100
64) Tetrachloroethene	10.810	164	53706	21.751	ug/l	94
65) Chlorobenzene	11.610	112	157051	21.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	56883	20.827	ug/l	96
67) Ethyl Benzene	11.681	91	262798	20.480	ug/l	99
68) m/p-Xylenes	11.793	106	213713	41.596	ug/l	93
69) o-Xylene	12.122	106	94712	20.084	ug/l	90
70) Styrene	12.134	104	169886	21.145	ug/l	98
71) Bromoform	12.298	173	32232	21.290	ug/l #	99
73) Isopropylbenzene	12.422	105	248385	20.608	ug/l	96
74) N-amyl acetate	12.234	43	48804	21.556	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	49511	21.768	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	32734m	25.158	ug/l	
77) Bromobenzene	12.698	156	62711	20.896	ug/l	91
78) n-propylbenzene	12.763	91	309184	20.987	ug/l	97
79) 2-Chlorotoluene	12.851	91	169470	20.860	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	209880	20.851	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	14741	21.444	ug/l	98
82) 4-Chlorotoluene	12.946	91	182299	21.350	ug/l	96
83) tert-Butylbenzene	13.169	119	176452	20.518	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	209635	20.539	ug/l	97
85) sec-Butylbenzene	13.345	105	267495	20.729	ug/l	96
86) p-Isopropyltoluene	13.463	119	224280	20.487	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	127510	20.659	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	127103	20.931	ug/l	98
89) n-Butylbenzene	13.787	91	205720	20.370	ug/l	98
90) Hexachloroethane	14.051	117	45050	20.750	ug/l	90
91) 1,2-Dichlorobenzene	13.828	146	110103	20.806	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6656	21.916	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	66570	20.390	ug/l	99
94) Hexachlorobutadiene	15.204	225	34883	20.163	ug/l	97
95) Naphthalene	15.334	128	118207	19.745	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	58373	20.115	ug/l	97

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

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