

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD077002.D
 Acq On : 14 Aug 2023 15:42
 Operator : JC/SY
 Sample : VD0814SBS01
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 15 04:47:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/15/2023
 Supervised By :Mahesh Dadoda 08/15/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	186434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	326913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	303223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	154088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	65432	44.490	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.980%		
35) Dibromofluoromethane	7.804	113	85810	48.824	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.640%		
50) Toluene-d8	10.269	98	261673	46.355	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.720%		
62) 4-Bromofluorobenzene	12.575	95	96898	49.102	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	20833	19.651	ug/l	92
3) Chloromethane	2.146	50	25836	16.337	ug/l	95
4) Vinyl Chloride	2.275	62	39170	16.808	ug/l	99
5) Bromomethane	2.669	94	33790	16.032	ug/l	96
6) Chloroethane	2.822	64	32164	16.800	ug/l	97
7) Trichlorofluoromethane	3.163	101	49372	19.448	ug/l	90
8) Diethyl Ether	3.593	74	14637	17.919	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.952	101	33917	19.509	ug/l	98
10) Methyl Iodide	4.152	142	27375	16.351	ug/l #	88
11) Tert butyl alcohol	5.063	59	12442	113.650	ug/l #	86
12) 1,1-Dichloroethene	3.934	96	25767	18.059	ug/l	92
13) Acrolein	3.793	56	5096	121.626	ug/l #	81
14) Allyl chloride	4.557	41	31772	18.131	ug/l	91
15) Acrylonitrile	5.251	53	36645	90.217	ug/l	96
16) Acetone	4.028	43	30284	86.932	ug/l #	86
17) Carbon Disulfide	4.257	76	32403	13.416	ug/l	97
18) Methyl Acetate	4.557	43	23768	17.307	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	77508	19.245	ug/l	95
20) Methylene Chloride	4.799	84	47193	12.274	ug/l	96
21) trans-1,2-Dichloroethene	5.304	96	28141	17.266	ug/l	98
22) Diisopropyl ether	6.216	45	87878	19.197	ug/l	94
23) Vinyl Acetate	6.157	43	191076	88.999	ug/l	100
24) 1,1-Dichloroethane	6.110	63	62295	19.039	ug/l	98
25) 2-Butanone	7.087	43	43886	89.211	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	55187	18.577	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	40129	17.943	ug/l	94
28) Bromochloromethane	7.422	49	30907	19.764	ug/l	99
29) Tetrahydrofuran	7.451	42	23239	84.597	ug/l	99
30) Chloroform	7.593	83	73618	19.721	ug/l	89
31) Cyclohexane	7.881	56	34195	17.202	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	59503	19.423	ug/l	99
36) 1,1-Dichloropropene	8.004	75	39335	18.099	ug/l	100
37) Ethyl Acetate	7.169	43	18225	18.173	ug/l #	88
38) Carbon Tetrachloride	7.993	117	45589	19.599	ug/l	96
39) Methylcyclohexane	9.269	83	41524	18.033	ug/l	99
40) Benzene	8.245	78	127370	18.227	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	10218	18.882	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	38455	20.415	ug/l	96
43) Isopropyl Acetate	8.357	43	35902	19.051	ug/l	95
44) Trichloroethene	9.028	130	37280	19.323	ug/l	99
45) 1,2-Dichloropropane	9.304	63	35390	18.792	ug/l	98
46) Dibromomethane	9.392	93	20243	17.989	ug/l	96
47) Bromodichloromethane	9.581	83	57258	19.835	ug/l	98
48) Methyl methacrylate	9.381	41	15571	18.790	ug/l	87
49) 1,4-Dioxane	9.387	88	4831	367.286	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	96294	92.570	ug/l	97
52) Toluene	10.334	92	87333	19.029	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	48818	19.385	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	56094	19.205	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	33097	19.818	ug/l	93
56) Ethyl methacrylate	10.598	69	34152	19.730	ug/l	95
57) 1,3-Dichloropropane	10.881	76	50475	19.455	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	66260	101.830	ug/l	99
59) 2-Hexanone	10.922	43	67518	95.352	ug/l	92
60) Dibromochloromethane	11.075	129	39946	19.833	ug/l	97
61) 1,2-Dibromoethane	11.175	107	28521	19.205	ug/l	95
64) Tetrachloroethene	10.804	164	30384	19.906	ug/l	92
65) Chlorobenzene	11.604	112	106532	19.859	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	43450	20.526	ug/l	97
67) Ethyl Benzene	11.681	91	174649	19.297	ug/l	97
68) m/p-Xylenes	11.792	106	138302	39.346	ug/l	97
69) o-Xylene	12.122	106	65463	19.420	ug/l	94
70) Styrene	12.133	104	120324	20.022	ug/l	99
71) Bromoform	12.298	173	24644	21.000	ug/l #	96
73) Isopropylbenzene	12.422	105	182718	18.844	ug/l	97
74) N-amyl acetate	12.233	43	32120	16.627	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	39853	18.653	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	24999m	17.294	ug/l	
77) Bromobenzene	12.698	156	43163	18.294	ug/l	91
78) n-propylbenzene	12.763	91	224155	19.004	ug/l	99
79) 2-Chlorotoluene	12.851	91	119096	18.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	147925	18.795	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	10343	16.811	ug/l	95
82) 4-Chlorotoluene	12.945	91	126060	18.573	ug/l	96
83) tert-Butylbenzene	13.169	119	137734	19.085	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	154881	19.313	ug/l	97
85) sec-Butylbenzene	13.345	105	211063	19.359	ug/l	96
86) p-Isopropyltoluene	13.463	119	172846	19.194	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	93739	19.153	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	93363	19.134	ug/l	98
89) n-Butylbenzene	13.786	91	165616	19.308	ug/l	97
90) Hexachloroethane	14.051	117	36475	20.045	ug/l	89
91) 1,2-Dichlorobenzene	13.828	146	83255	19.133	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5859	20.169	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	52463	19.494	ug/l	97
94) Hexachlorobutadiene	15.204	225	26888	19.971	ug/l	95
95) Naphthalene	15.333	128	100504	18.361	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	45998	19.170	ug/l	98

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

