

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD076993.D
 Acq On : 14 Aug 2023 11:37
 Operator : JC/SY
 Sample : VD0814SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 14 12:44:33 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	187766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	327154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	309786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	158183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	68709	46.387	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.780%		
35) Dibromofluoromethane	7.805	113	85652	48.698	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.400%		
50) Toluene-d8	10.269	98	262790	46.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.040%		
62) 4-Bromofluorobenzene	12.575	95	97647	49.445	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	19795	18.344	ug/l	95
3) Chloromethane	2.146	50	24628	15.462	ug/l	97
4) Vinyl Chloride	2.281	62	37061	15.791	ug/l	98
5) Bromomethane	2.675	94	35076	16.524	ug/l	97
6) Chloroethane	2.828	64	30051	15.585	ug/l	99
7) Trichlorofluoromethane	3.164	101	44925	17.571	ug/l	92
8) Diethyl Ether	3.593	74	14701	17.870	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.964	101	32236	18.411	ug/l	99
10) Methyl Iodide	4.158	142	25620	15.194	ug/l #	89
11) Tert butyl alcohol	5.046	59	13177	120.902	ug/l #	92
12) 1,1-Dichloroethene	3.928	96	25278	17.591	ug/l	92
13) Acrolein	3.793	56	5803	150.994	ug/l #	48
14) Allyl chloride	4.552	41	30733	17.414	ug/l	93
15) Acrylonitrile	5.258	53	40492	98.981	ug/l	98
16) Acetone	4.017	43	38657	114.221	ug/l #	79
17) Carbon Disulfide	4.258	76	31072	12.774	ug/l #	93
18) Methyl Acetate	4.569	43	26997	19.519	ug/l	92
19) Methyl tert-butyl Ether	5.316	73	77655	19.145	ug/l	94
20) Methylene Chloride	4.799	84	56401	17.860	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	27782	16.925	ug/l	91
22) Diisopropyl ether	6.211	45	86326	18.724	ug/l #	90
23) Vinyl Acetate	6.152	43	196760	90.996	ug/l	98
24) 1,1-Dichloroethane	6.111	63	59680	18.110	ug/l	97
25) 2-Butanone	7.081	43	50644	102.218	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	55396	18.515	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	39815	17.677	ug/l	94
28) Bromochloromethane	7.428	49	30898	19.618	ug/l	97
29) Tetrahydrofuran	7.440	42	26366	95.299	ug/l	96
30) Chloroform	7.593	83	74731	19.877	ug/l	99
31) Cyclohexane	7.875	56	31036	15.140	ug/l #	80
32) 1,1,1-Trichloroethane	7.787	97	59043	19.136	ug/l	98
36) 1,1-Dichloropropene	8.010	75	39379	18.106	ug/l	96
37) Ethyl Acetate	7.163	43	18624	18.557	ug/l	98
38) Carbon Tetrachloride	7.987	117	44954	19.312	ug/l	98
39) Methylcyclohexane	9.269	83	38642	16.769	ug/l	96
40) Benzene	8.252	78	128552	18.382	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	11057	20.418	ug/l	96
42) 1,2-Dichloroethane	8.328	62	40007	21.223	ug/l	95
43) Isopropyl Acetate	8.363	43	38669	20.504	ug/l #	80
44) Trichloroethene	9.028	130	37491	19.418	ug/l	91
45) 1,2-Dichloropropane	9.304	63	36692	19.469	ug/l	98
46) Dibromomethane	9.393	93	21397	19.000	ug/l	96
47) Bromodichloromethane	9.581	83	58442	20.230	ug/l	99
48) Methyl methacrylate	9.375	41	16578	19.990	ug/l #	82
49) 1,4-Dioxane	9.387	88	5656	429.692	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	107521	103.286	ug/l	94
52) Toluene	10.334	92	85932	18.710	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	52270	20.740	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	59073	20.210	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	35848	21.450	ug/l	96
56) Ethyl methacrylate	10.599	69	34898	20.147	ug/l	94
57) 1,3-Dichloropropane	10.881	76	53201	20.490	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	72194	110.868	ug/l	98
59) 2-Hexanone	10.922	43	76742	108.299	ug/l	94
60) Dibromochloromethane	11.075	129	42025	20.850	ug/l	98
61) 1,2-Dibromoethane	11.181	107	29882	20.106	ug/l	99
64) Tetrachloroethene	10.810	164	31056	19.915	ug/l	96
65) Chlorobenzene	11.604	112	107369	19.591	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	43996	20.344	ug/l	96
67) Ethyl Benzene	11.681	91	172498	18.656	ug/l	98
68) m/p-Xylenes	11.793	106	136756	38.082	ug/l	97
69) o-Xylene	12.122	106	62814	18.239	ug/l	87
70) Styrene	12.134	104	117758	19.180	ug/l	99
71) Bromoform	12.298	173	26667	22.242	ug/l #	97
73) Isopropylbenzene	12.422	105	172868	17.366	ug/l	96
74) N-amyl acetate	12.234	43	36647	18.479	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	43536	19.849	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	27031m	18.216	ug/l	
77) Bromobenzene	12.704	156	45903	18.952	ug/l	93
78) n-propylbenzene	12.763	91	221091	18.259	ug/l	96
79) 2-Chlorotoluene	12.851	91	121000	18.176	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	147520	18.258	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	11268	17.840	ug/l	97
82) 4-Chlorotoluene	12.945	91	126082	18.096	ug/l	99
83) tert-Butylbenzene	13.169	119	131172	17.705	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	146889	17.842	ug/l	99
85) sec-Butylbenzene	13.345	105	202399	18.084	ug/l	97
86) p-Isopropyltoluene	13.463	119	166386	17.999	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	94284	18.766	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	97803	19.525	ug/l	97
89) n-Butylbenzene	13.787	91	157587	17.896	ug/l	97
90) Hexachloroethane	14.051	117	37039	19.828	ug/l	89
91) 1,2-Dichlorobenzene	13.828	146	86615	19.390	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6208	20.817	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	53223	19.264	ug/l	98
94) Hexachlorobutadiene	15.204	225	27796	20.111	ug/l	99
95) Naphthalene	15.334	128	105116	18.707	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	48119	19.534	ug/l	97

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

