

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076171.D
 Acq On : 22 May 2023 12:24
 Operator : KP/SY
 Sample : VD0522SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/23/2023
 Supervised By :Mahesh Dadoda 05/23/2023

Quant Time: May 22 14:21:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	210704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	362958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	334681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	177259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95184	46.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.480%		
35) Dibromofluoromethane	7.805	113	113537	45.255	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.500%		
50) Toluene-d8	10.269	98	441565	45.149	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.300%		
62) 4-Bromofluorobenzene	12.575	95	124599	45.863	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	39703	20.893	ug/l	94
3) Chloromethane	2.146	50	74247	21.236	ug/l	92
4) Vinyl Chloride	2.281	62	91486	22.323	ug/l	100
5) Bromomethane	2.675	94	59109	21.423	ug/l	99
6) Chloroethane	2.828	64	62589	22.700	ug/l	97
7) Trichlorofluoromethane	3.170	101	71885	20.694	ug/l	98
8) Diethyl Ether	3.587	74	22587	19.772	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.969	101	46577	20.356	ug/l	96
10) Methyl Iodide	4.152	142	52681	22.143	ug/l #	88
11) Tert butyl alcohol	5.064	59	11192	103.897	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	44826	19.684	ug/l	91
13) Acrolein	3.793	56	22682	86.034	ug/l	95
14) Allyl chloride	4.558	41	45787	19.811	ug/l #	80
15) Acrylonitrile	5.258	53	46615	98.553	ug/l	98
16) Acetone	4.022	43	40686	100.418	ug/l #	83
17) Carbon Disulfide	4.264	76	132047	19.733	ug/l	97
18) Methyl Acetate	4.558	43	29488	20.403	ug/l #	81
19) Methyl tert-butyl Ether	5.311	73	89339	20.043	ug/l	98
20) Methylene Chloride	4.799	84	69606	15.165	ug/l #	76
21) trans-1,2-Dichloroethene	5.311	96	51157	19.491	ug/l #	78
22) Diisopropyl ether	6.211	45	111751	20.831	ug/l #	96
23) Vinyl Acetate	6.152	43	247379	117.279	ug/l #	93
24) 1,1-Dichloroethane	6.111	63	85259	20.152	ug/l #	97
25) 2-Butanone	7.081	43	53438	104.895	ug/l #	84
26) 2,2-Dichloropropane	7.069	77	71847	20.826	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	57174	19.631	ug/l	85
28) Bromochloromethane	7.422	49	28339	20.089	ug/l #	65
29) Tetrahydrofuran	7.452	42	31000	104.400	ug/l #	69
30) Chloroform	7.593	83	90478	19.998	ug/l	100
31) Cyclohexane	7.875	56	62472	20.031	ug/l #	80
32) 1,1,1-Trichloroethane	7.787	97	72914	20.222	ug/l	99
36) 1,1-Dichloropropene	8.005	75	66335	19.578	ug/l	95
37) Ethyl Acetate	7.163	43	22146	18.875	ug/l #	87
38) Carbon Tetrachloride	7.993	117	58107	18.986	ug/l	98
39) Methylcyclohexane	9.275	83	71341	18.288	ug/l	97
40) Benzene	8.246	78	202661	18.604	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	11073m	17.212	ug/l	
42) 1,2-Dichloroethane	8.328	62	50202	19.484	ug/l	93
43) Isopropyl Acetate	8.357	43	41098	18.751	ug/l #	81
44) Trichloroethene	9.028	130	55413	18.050	ug/l	86
45) 1,2-Dichloropropane	9.304	63	51522	19.175	ug/l	92
46) Dibromomethane	9.393	93	28623	19.004	ug/l	98
47) Bromodichloromethane	9.581	83	68720	18.985	ug/l	94
48) Methyl methacrylate	9.381	41	18078	18.636	ug/l #	60
49) 1,4-Dioxane	9.381	88	5776	358.626	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	110215	94.549	ug/l #	82
52) Toluene	10.334	92	131087	19.267	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	61909	18.976	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	76369	19.182	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	40714	18.851	ug/l	92
56) Ethyl methacrylate	10.599	69	38830	17.886	ug/l #	68
57) 1,3-Dichloropropane	10.881	76	64118	18.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	95902	92.070	ug/l	92
59) 2-Hexanone	10.922	43	78111	95.017	ug/l	79
60) Dibromochloromethane	11.075	129	46467	19.134	ug/l	100
61) 1,2-Dibromoethane	11.181	107	37543	19.541	ug/l	98
64) Tetrachloroethene	10.810	164	44811	17.412	ug/l	95
65) Chlorobenzene	11.604	112	142877	18.752	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	48124	18.353	ug/l	96
67) Ethyl Benzene	11.687	91	226087	18.570	ug/l	95
68) m/p-Xylenes	11.793	106	189290	38.041	ug/l	92
69) o-Xylene	12.122	106	84887	18.696	ug/l	91
70) Styrene	12.134	104	150778	19.154	ug/l	94
71) Bromoform	12.298	173	25736	17.450	ug/l #	97
73) Isopropylbenzene	12.422	105	214579	18.300	ug/l	100
74) N-amyl acetate	12.234	43	36298	17.379	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	48470	19.233	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	32861m	21.185	ug/l	
77) Bromobenzene	12.704	156	53849	17.134	ug/l	95
78) n-propylbenzene	12.763	91	277992	19.046	ug/l	99
79) 2-Chlorotoluene	12.851	91	148900	18.433	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	184674	18.998	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	13244	17.912	ug/l #	72
82) 4-Chlorotoluene	12.945	91	161601	18.808	ug/l	96
83) tert-Butylbenzene	13.169	119	151666	18.462	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	180507	18.646	ug/l	95
85) sec-Butylbenzene	13.345	105	241151	18.836	ug/l	97
86) p-Isopropyltoluene	13.463	119	198432	18.942	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	116650	18.357	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	117136	18.616	ug/l	98
89) n-Butylbenzene	13.787	91	182566	18.493	ug/l	99
90) Hexachloroethane	14.057	117	40154	18.634	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	101308	18.167	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5974	18.256	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	52933	16.318	ug/l	97
94) Hexachlorobutadiene	15.204	225	26913	16.273	ug/l	98
95) Naphthalene	15.334	128	97355	16.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	48257	16.358	ug/l	97

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

