

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013124\
 Data File : VD078290.D
 Acq On : 31 Jan 2024 13:39
 Operator : RP/MD
 Sample : P1187-03 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Feb 01 03:41:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:41:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/01/2024
 Supervised By :Semsettin Yesilyurt 02/01/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	99215	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	192015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	174885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	76348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67663	55.090	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	110.180%	
35) Dibromofluoromethane	7.810	113	69022	50.491	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	100.980%	
50) Toluene-d8	10.269	98	259100	50.062	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	100.120%	
62) 4-Bromofluorobenzene	12.575	95	73616	47.496	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	95.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	4367	3.640	ug/l	86
3) Chloromethane	2.152	50	8795	4.261	ug/l	99
4) Vinyl Chloride	2.287	62	10839	3.981	ug/l #	85
5) Bromomethane	2.693	94	6931	4.205	ug/l	98
6) Chloroethane	2.846	64	7244	3.852	ug/l #	77
7) Trichlorofluoromethane	3.181	101	8458	3.670	ug/l	98
8) Diethyl Ether	3.587	74	2772m	4.065	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.969	101	6115	4.323	ug/l	94
10) Methyl Iodide	4.163	142	4345	3.377	ug/l #	50
11) Tert butyl alcohol	5.063	59	2000m	25.529	ug/l	
12) 1,1-Dichloroethene	3.946	96	4721	3.459	ug/l #	66
13) Acrolein	3.787	56	2534	24.895	ug/l	100
14) Allyl chloride	4.558	41	6383	3.547	ug/l #	86
15) Acrylonitrile	5.269	53	6381	21.172	ug/l	99
16) Acetone	4.022	43	7667	23.623	ug/l #	81
17) Carbon Disulfide	4.275	76	14892	3.232	ug/l #	90
18) Methyl Acetate	4.569	43	4359	6.659	ug/l #	64
19) Methyl tert-butyl Ether	5.334	73	10982	3.869	ug/l #	90
20) Methylene Chloride	4.805	84	11152	6.536	ug/l	94
21) trans-1,2-Dichloroethene	5.322	96	5881	3.811	ug/l #	86
22) Diisopropyl ether	6.216	45	13499	3.525	ug/l	93
23) Vinyl Acetate	6.163	43	34207m	14.642	ug/l	
24) 1,1-Dichloroethane	6.128	63	10586	3.993	ug/l	99
25) 2-Butanone	7.093	43	9215	22.516	ug/l #	67
26) 2,2-Dichloropropane	7.069	77	9059	4.184	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	6741	3.941	ug/l	90
28) Bromochloromethane	7.434	49	4476	4.734	ug/l #	81
29) Tetrahydrofuran	7.457	42	3798m	17.347	ug/l	
30) Chloroform	7.593	83	10926	4.031	ug/l	94
31) Cyclohexane	7.887	56	9702	4.218	ug/l #	90
32) 1,1,1-Trichloroethane	7.793	97	9212	3.944	ug/l	97
36) 1,1-Dichloropropene	8.010	75	7859	3.467	ug/l	95
37) Ethyl Acetate	7.175	43	3309	3.793	ug/l #	80
38) Carbon Tetrachloride	7.993	117	7401	3.320	ug/l #	69
39) Methylcyclohexane	9.275	83	8129	3.033	ug/l #	78
40) Benzene	8.251	78	23331	3.527	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	1592	3.394	ug/l #	86
42) 1,2-Dichloroethane	8.322	62	6673	3.890	ug/l	96
43) Isopropyl Acetate	8.363	43	5567	3.559	ug/l #	69
44) Trichloroethene	9.034	130	5682	3.498	ug/l	100
45) 1,2-Dichloropropane	9.304	63	5811	3.593	ug/l #	88
46) Dibromomethane	9.393	93	3259	3.632	ug/l #	85
47) Bromodichloromethane	9.581	83	8191	3.710	ug/l #	99
48) Methyl methacrylate	9.387	41	3249	4.346	ug/l #	65
49) 1,4-Dioxane	9.387	88	558	55.439	ug/l	88
51) 4-Methyl-2-Pentanone	10.157	43	15139	17.890	ug/l	90
52) Toluene	10.334	92	14553	3.627	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	7434	3.605	ug/l #	83
54) cis-1,3-Dichloropropene	10.022	75	8319	3.408	ug/l #	73
55) 1,1,2-Trichloroethane	10.734	97	4331	3.699	ug/l #	84
56) Ethyl methacrylate	10.598	69	3233	2.434	ug/l #	73
57) 1,3-Dichloropropane	10.881	76	7234	3.583	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	11140	18.445	ug/l	96
59) 2-Hexanone	10.922	43	10894	17.093	ug/l	80
60) Dibromochloromethane	11.075	129	5001	3.679	ug/l	81
61) 1,2-Dibromoethane	11.175	107	3626	3.280	ug/l #	76
64) Tetrachloroethene	10.810	164	4480	3.673	ug/l #	88
65) Chlorobenzene	11.610	112	15021	3.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	5360	3.598	ug/l	96
67) Ethyl Benzene	11.681	91	25547	3.371	ug/l #	86
68) m/p-Xylenes	11.792	106	18772	6.438	ug/l	88
69) o-Xylene	12.122	106	8400	3.135	ug/l	87
70) Styrene	12.139	104	12374	2.704	ug/l #	89
71) Bromoform	12.304	173	2435	3.319	ug/l #	100
73) Isopropylbenzene	12.422	105	22635	3.504	ug/l	93
74) N-amyl acetate	12.239	43	5177	3.875	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.675	83	5027	4.030	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	3204m	4.015	ug/l	
77) Bromobenzene	12.704	156	5667	3.987	ug/l	83
78) n-propylbenzene	12.763	91	30114	3.742	ug/l	92
79) 2-Chlorotoluene	12.845	91	16328	3.791	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	18746	3.567	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	1350	3.365	ug/l #	77
82) 4-Chlorotoluene	12.945	91	16814	3.661	ug/l	99
83) tert-Butylbenzene	13.169	119	15481	3.452	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	17704	3.330	ug/l	98
85) sec-Butylbenzene	13.345	105	23590	3.352	ug/l	89
86) p-Isopropyltoluene	13.457	119	20217	3.507	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	11205	3.794	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	12492	4.275	ug/l	92
89) n-Butylbenzene	13.786	91	21147	3.765	ug/l	94
90) Hexachloroethane	14.045	117	4602	3.997	ug/l	67
91) 1,2-Dichlorobenzene	13.828	146	10514	4.162	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	550	3.145	ug/l	87
93) 1,2,4-Trichlorobenzene	15.104	180	6012	4.114	ug/l	96
94) Hexachlorobutadiene	15.210	225	2992	4.178	ug/l	87
95) Naphthalene	15.333	128	11569	3.971	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	5198	4.040	ug/l	94

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

