

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012324\
 Data File : VD078208.D
 Acq On : 23 Jan 2024 15:14
 Operator : RP/MD
 Sample : P1187-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Jan 24 01:23:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 24 01:21:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	128076	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	231718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	210477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	100383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	72715	49.733	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.460%		
35) Dibromofluoromethane	7.810	113	75419	49.455	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.269	98	309783	51.301	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.600%		
62) 4-Bromofluorobenzene	12.575	95	88636	50.615	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	59614	40.404	ug/l	97
3) Chloromethane	2.152	50	102958	43.257	ug/l	99
4) Vinyl Chloride	2.293	62	138616	45.641	ug/l	95
5) Bromomethane	2.699	94	97958	44.197	ug/l	97
6) Chloroethane	2.846	64	98091	46.237	ug/l	98
7) Trichlorofluoromethane	3.187	101	129332	46.817	ug/l	98
8) Diethyl Ether	3.593	74	38322	50.042	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.975	101	77224	48.265	ug/l	95
10) Methyl Iodide	4.169	142	84941	52.960	ug/l #	89
11) Tert butyl alcohol	5.069	59	17426	242.093	ug/l #	85
12) 1,1-Dichloroethene	3.952	96	73988	46.681	ug/l #	78
13) Acrolein	3.799	56	32990	199.648	ug/l	100
14) Allyl chloride	4.569	41	105278	50.356	ug/l	91
15) Acrylonitrile	5.264	53	84958	247.229	ug/l	96
16) Acetone	4.022	43	81577	187.163	ug/l	88
17) Carbon Disulfide	4.281	76	240076	46.712	ug/l	97
18) Methyl Acetate	4.564	43	66363	52.756	ug/l	89
19) Methyl tert-butyl Ether	5.322	73	168374	50.942	ug/l	98
20) Methylene Chloride	4.811	84	93183	43.445	ug/l #	84
21) trans-1,2-Dichloroethene	5.322	96	90401	49.359	ug/l	93
22) Diisopropyl ether	6.222	45	238593	53.932	ug/l	95
23) Vinyl Acetate	6.158	43	553345	253.873	ug/l #	89
24) 1,1-Dichloroethane	6.122	63	157016	51.365	ug/l	94
25) 2-Butanone	7.081	43	107268	208.266	ug/l #	83
26) 2,2-Dichloropropane	7.087	77	130572	50.990	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	100507	51.086	ug/l	92
28) Bromochloromethane	7.428	49	57656	48.359	ug/l #	75
29) Tetrahydrofuran	7.452	42	60578	251.139	ug/l	88
30) Chloroform	7.599	83	161487	51.945	ug/l	99
31) Cyclohexane	7.887	56	126954	46.961	ug/l	90
32) 1,1,1-Trichloroethane	7.799	97	136599	50.865	ug/l	98
36) 1,1-Dichloropropene	8.010	75	126699	50.521	ug/l	95
37) Ethyl Acetate	7.169	43	43936	47.061	ug/l	95
38) Carbon Tetrachloride	7.993	117	123204	49.743	ug/l	93
39) Methylcyclohexane	9.275	83	150847	50.862	ug/l	97
40) Benzene	8.257	78	365266	51.325	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	23445	45.734	ug/l #	93
42) 1,2-Dichloroethane	8.328	62	94299	50.926	ug/l	95
43) Isopropyl Acetate	8.363	43	84008	49.115	ug/l	93
44) Trichloroethene	9.034	130	91651	50.339	ug/l	86
45) 1,2-Dichloropropane	9.310	63	89988	50.957	ug/l	100
46) Dibromomethane	9.399	93	48433	49.941	ug/l	89
47) Bromodichloromethane	9.587	83	123458	50.678	ug/l	98
48) Methyl methacrylate	9.381	41	49880	50.371	ug/l #	79
49) 1,4-Dioxane	9.393	88	8468	902.395	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	224577	249.863	ug/l	90
52) Toluene	10.334	92	231823	51.390	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	114614	50.997	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	137793	51.143	ug/l #	87
55) 1,1,2-Trichloroethane	10.734	97	63336	48.807	ug/l	95
56) Ethyl methacrylate	10.599	69	54908	51.688	ug/l #	81
57) 1,3-Dichloropropane	10.881	76	112566	50.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	168744	265.072	ug/l	93
59) 2-Hexanone	10.922	43	160682	219.997	ug/l	88
60) Dibromochloromethane	11.075	129	77429	50.608	ug/l	95
61) 1,2-Dibromoethane	11.181	107	60680	50.728	ug/l	99
64) Tetrachloroethene	10.810	164	67694	49.188	ug/l	90
65) Chlorobenzene	11.604	112	240027	51.623	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	84907	51.101	ug/l	96
67) Ethyl Benzene	11.687	91	448523	53.010	ug/l	95
68) m/p-Xylenes	11.793	106	334727	103.582	ug/l	87
69) o-Xylene	12.122	106	153633	52.386	ug/l	90
70) Styrene	12.134	104	235522	53.594	ug/l	95
71) Bromoform	12.298	173	39395	47.877	ug/l #	96
73) Isopropylbenzene	12.422	105	407732	51.658	ug/l	95
74) N-amyl acetate	12.234	43	75109	49.739	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.675	83	71156	48.450	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	50279m	52.222	ug/l	
77) Bromobenzene	12.704	156	88056	50.885	ug/l	83
78) n-propylbenzene	12.763	91	507484	51.841	ug/l	95
79) 2-Chlorotoluene	12.851	91	269706	51.628	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	344184	52.591	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	23572	52.737	ug/l	96
82) 4-Chlorotoluene	12.945	91	286016	51.939	ug/l	93
83) tert-Butylbenzene	13.163	119	290358	53.073	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	348516	52.655	ug/l	97
85) sec-Butylbenzene	13.345	105	433776	52.363	ug/l	95
86) p-Isopropyltoluene	13.457	119	382111	53.005	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	182387	50.905	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	178879	50.535	ug/l	97
89) n-Butylbenzene	13.787	91	374521	53.368	ug/l	97
90) Hexachloroethane	14.051	117	72486	51.259	ug/l	83
91) 1,2-Dichlorobenzene	13.834	146	156318	51.884	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9046	43.101	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	93297	50.096	ug/l	98
94) Hexachlorobutadiene	15.204	225	46911	52.126	ug/l	99
95) Naphthalene	15.328	128	175927	50.525	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	80486	51.511	ug/l	98

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

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