

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081324\
 Data File : VD079718.D
 Acq On : 13 Aug 2024 14:47
 Operator : RP/MD
 Sample : P3390-01 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 14 07:57:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081224S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 07:56:07 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/14/2024
 Supervised By :Mahesh Dadoda 08/14/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	160042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	315458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	286667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	108740	59.058	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.120%			
35) Dibromofluoromethane	7.799	113	109035	56.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.140%			
50) Toluene-d8	10.269	98	440252	54.164	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.320%			
62) 4-Bromofluorobenzene	12.569	95	119360	52.447	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	8345	5.313	ug/l	89
3) Chloromethane	2.146	50	17123	5.540	ug/l	97
4) Vinyl Chloride	2.281	62	19044	5.212	ug/l	100
5) Bromomethane	2.687	94	13447	5.407	ug/l	98
6) Chloroethane	2.828	64	13055	5.234	ug/l	97
7) Trichlorofluoromethane	3.169	101	16180	4.951	ug/l	88
8) Diethyl Ether	3.587	74	5135	5.025	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.958	101	8570	4.455	ug/l #	88
10) Methyl Iodide	4.158	142	8487	3.941	ug/l	93
11) Tert butyl alcohol	5.052	59	3123	28.249	ug/l #	86
12) 1,1-Dichloroethene	3.934	96	9073	4.510	ug/l	93
13) Acrolein	3.793	56	5675	26.497	ug/l	95
14) Allyl chloride	4.564	41	14241	4.720	ug/l #	81
15) Acrylonitrile	5.252	53	11271	23.960	ug/l #	17
16) Acetone	4.028	43	9536	23.172	ug/l	94
17) Carbon Disulfide	4.269	76	34726	4.870	ug/l	95
18) Methyl Acetate	4.564	43	6690	5.329	ug/l #	57
19) Methyl tert-butyl Ether	5.322	73	18172	4.399	ug/l	100
20) Methylene Chloride	4.799	84	20084	6.227	ug/l #	84
21) trans-1,2-Dichloroethene	5.305	96	10750	4.867	ug/l	87
22) Diisopropyl ether	6.216	45	27682	4.452	ug/l #	92
23) Vinyl Acetate	6.158	43	100787	22.115	ug/l #	88
24) 1,1-Dichloroethane	6.110	63	19841	4.827	ug/l	95
25) 2-Butanone	7.093	43	12690	22.402	ug/l #	85
26) 2,2-Dichloropropane	7.063	77	16133	4.970	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	12130	4.735	ug/l	88
28) Bromochloromethane	7.422	49	8763	5.012	ug/l #	66
29) Tetrahydrofuran	7.446	42	8499	24.680	ug/l #	79
30) Chloroform	7.593	83	19384	4.857	ug/l	94
31) Cyclohexane	7.875	56	16880	5.016	ug/l #	81
32) 1,1,1-Trichloroethane	7.793	97	15268	4.624	ug/l	97
36) 1,1-Dichloropropene	8.005	75	13237	4.391	ug/l	93
37) Ethyl Acetate	7.169	43	5984	4.386	ug/l #	84
38) Carbon Tetrachloride	7.993	117	13755	4.495	ug/l	86
39) Methylcyclohexane	9.275	83	13929	3.909	ug/l #	84
40) Benzene	8.252	78	45076	4.598	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	2220	3.090	ug/l	87
42) 1,2-Dichloroethane	8.328	62	11426	5.042	ug/l	85
43) Isopropyl Acetate	8.357	43	11915	5.008	ug/l #	90
44) Trichloroethene	9.034	130	10017	4.652	ug/l	89
45) 1,2-Dichloropropane	9.304	63	10660	4.417	ug/l	100
46) Dibromomethane	9.393	93	5551	4.543	ug/l #	84
47) Bromodichloromethane	9.587	83	13860	4.500	ug/l	94
48) Methyl methacrylate	9.375	41	4498	4.110	ug/l #	84
49) 1,4-Dioxane	9.381	88	1200	97.590	ug/l	89
51) 4-Methyl-2-Pentanone	10.157	43	27251	22.263	ug/l #	85
52) Toluene	10.334	92	26699	4.541	ug/l	100
53) t-1,3-Dichloropropene	10.546	75	12588	4.372	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	14811	4.192	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	7552	4.637	ug/l	91
56) Ethyl methacrylate	10.598	69	8757	4.406	ug/l	92
57) 1,3-Dichloropropane	10.875	76	12977	4.622	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	18980	21.370	ug/l	94
59) 2-Hexanone	10.922	43	18751	21.413	ug/l	88
60) Dibromochloromethane	11.081	129	8907	4.439	ug/l	99
61) 1,2-Dibromoethane	11.175	107	6394	4.421	ug/l	100
64) Tetrachloroethene	10.804	164	7367	4.206	ug/l	90
65) Chlorobenzene	11.604	112	29778	4.731	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.675	131	8981	4.376	ug/l	96
67) Ethyl Benzene	11.681	91	43550	3.943	ug/l	97
68) m/p-Xylenes	11.793	106	32579	7.585	ug/l	92
69) o-Xylene	12.116	106	15497	3.948	ug/l	91
70) Styrene	12.134	104	27687	4.021	ug/l	99
71) Bromoform	12.298	173	4668	4.425	ug/l #	98
73) Isopropylbenzene	12.422	105	37794	4.048	ug/l	100
74) N-amyl acetate	12.228	43	9378	4.508	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.669	83	8694	4.987	ug/l	93
76) 1,2,3-Trichloropropane	12.722	75	6968m	6.427	ug/l	
77) Bromobenzene	12.698	156	9567	4.581	ug/l	80
78) n-propylbenzene	12.763	91	49010	4.242	ug/l	97
79) 2-Chlorotoluene	12.845	91	28038	4.358	ug/l	95
80) 1,3,5-Trimethylbenzene	12.898	105	32744	4.229	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	2854	4.486	ug/l	90
82) 4-Chlorotoluene	12.945	91	28058	4.147	ug/l	97
83) tert-Butylbenzene	13.163	119	26689	4.084	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	30735	3.880	ug/l	96
85) sec-Butylbenzene	13.345	105	41043	4.076	ug/l	97
86) p-Isopropyltoluene	13.457	119	33093	3.912	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	19355	4.354	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	20526	4.677	ug/l	92
89) n-Butylbenzene	13.781	91	32986	4.137	ug/l	98
90) Hexachloroethane	14.051	117	8215	4.733	ug/l	90
91) 1,2-Dichlorobenzene	13.828	146	16642	4.347	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.434	75	1417	5.955	ug/l	68
93) 1,2,4-Trichlorobenzene	15.092	180	10034	4.556	ug/l	95
94) Hexachlorobutadiene	15.198	225	4582	4.137	ug/l	96
95) Naphthalene	15.328	128	19932	4.732	ug/l	100
96) 1,2,3-Trichlorobenzene	15.516	180	8670	4.491	ug/l	94

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

