

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081424\
 Data File : VD079734.D
 Acq On : 14 Aug 2024 14:10
 Operator : RP/MD
 Sample : P3390-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 15 01:58:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081224S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 01:40:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/15/2024
 Supervised By :Semsettin Yesilyurt 08/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	145846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	299861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	268937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	122483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	94995	56.615	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.220%			
35) Dibromofluoromethane	7.805	113	94296	51.010	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.020%			
50) Toluene-d8	10.269	98	385410	49.883	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.569	95	104062	48.103	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	8662	6.051	ug/l	97
3) Chloromethane	2.146	50	18617	6.609	ug/l	98
4) Vinyl Chloride	2.281	62	21856	6.564	ug/l	97
5) Bromomethane	2.687	94	15265	6.735	ug/l	97
6) Chloroethane	2.834	64	14258	6.273	ug/l	100
7) Trichlorofluoromethane	3.164	101	17148	5.758	ug/l	94
8) Diethyl Ether	3.587	74	5386	5.784	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.969	101	10336	5.896	ug/l	96
10) Methyl Iodide	4.164	142	9398	4.789	ug/l #	89
11) Tert butyl alcohol	5.064	59	3655	36.280	ug/l	99
12) 1,1-Dichloroethene	3.940	96	10238	5.585	ug/l	89
13) Acrolein	3.787	56	5045	25.849	ug/l	98
14) Allyl chloride	4.569	41	14541	5.288	ug/l #	89
15) Acrylonitrile	5.258	53	12180	28.412	ug/l	96
16) Acetone	4.028	43	9348	24.927	ug/l	92
17) Carbon Disulfide	4.264	76	35664	5.488	ug/l	96
18) Methyl Acetate	4.558	43	6300	5.507	ug/l #	83
19) Methyl tert-butyl Ether	5.322	73	20502	5.447	ug/l	98
20) Methylene Chloride	4.793	84	31352	10.667	ug/l #	86
21) trans-1,2-Dichloroethene	5.305	96	10193	5.064	ug/l #	86
22) Diisopropyl ether	6.216	45	29507	5.208	ug/l #	84
23) Vinyl Acetate	6.158	43	107933	25.988	ug/l #	90
24) 1,1-Dichloroethane	6.105	63	21173	5.653	ug/l	93
25) 2-Butanone	7.081	43	14327	27.753	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	17914	6.056	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	13562	5.809	ug/l	82
28) Bromochloromethane	7.428	49	11042	6.930	ug/l #	61
29) Tetrahydrofuran	7.440	42	8067	25.706	ug/l #	82
30) Chloroform	7.599	83	20634	5.673	ug/l	97
31) Cyclohexane	7.881	56	18600	6.065	ug/l #	79
32) 1,1,1-Trichloroethane	7.793	97	16738	5.562	ug/l	96
36) 1,1-Dichloropropene	8.005	75	13579	4.739	ug/l	95
37) Ethyl Acetate	7.169	43	6595	5.086	ug/l #	85
38) Carbon Tetrachloride	7.993	117	14429	4.961	ug/l	93
39) Methylcyclohexane	9.281	83	15258	4.505	ug/l #	82
40) Benzene	8.246	78	46588	4.999	ug/l	95

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 Supervised By :Semsettin Yesilyurt 08/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	3147	4.608	ug/l #	89
42) 1,2-Dichloroethane	8.322	62	11347	5.267	ug/l	98
43) Isopropyl Acetate	8.363	43	11694	5.171	ug/l #	81
44) Trichloroethene	9.028	130	10141	4.954	ug/l	80
45) 1,2-Dichloropropane	9.304	63	10396	4.532	ug/l #	88
46) Dibromomethane	9.393	93	5721	4.926	ug/l #	87
47) Bromodichloromethane	9.581	83	14936	5.102	ug/l	93
48) Methyl methacrylate	9.375	41	5074	4.878	ug/l #	84
49) 1,4-Dioxane	9.387	88	1408	120.462	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	27991	24.057	ug/l	92
52) Toluene	10.334	92	27178	4.863	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	13406	4.899	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	15409	4.588	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	7994	5.164	ug/l	95
56) Ethyl methacrylate	10.604	69	8529	4.514	ug/l #	83
57) 1,3-Dichloropropane	10.875	76	13849	5.189	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	21495	25.461	ug/l	88
59) 2-Hexanone	10.922	43	18866	22.665	ug/l	89
60) Dibromochloromethane	11.075	129	10174	5.334	ug/l	98
61) 1,2-Dibromoethane	11.181	107	6874	5.000	ug/l	98
64) Tetrachloroethene	10.810	164	7924	4.822	ug/l	89
65) Chlorobenzene	11.604	112	29718	5.032	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.675	131	9526	4.948	ug/l	96
67) Ethyl Benzene	11.681	91	46891	4.525	ug/l	98
68) m/p-Xylenes	11.793	106	35643	8.846	ug/l	94
69) o-Xylene	12.122	106	16036	4.355	ug/l	85
70) Styrene	12.134	104	27938	4.325	ug/l	96
71) Bromoform	12.298	173	5099	5.152	ug/l #	99
73) Isopropylbenzene	12.416	105	39308	4.571	ug/l	98
74) N-amyl acetate	12.228	43	10123	5.284	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.669	83	9636	6.002	ug/l	93
76) 1,2,3-Trichloropropane	12.716	75	5844m	5.853	ug/l	
77) Bromobenzene	12.693	156	10576	5.499	ug/l	88
78) n-propylbenzene	12.763	91	51834	4.871	ug/l	98
79) 2-Chlorotoluene	12.845	91	29675	5.008	ug/l	92
80) 1,3,5-Trimethylbenzene	12.898	105	32309	4.531	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	3045	5.197	ug/l	98
82) 4-Chlorotoluene	12.945	91	31234	5.013	ug/l	94
83) tert-Butylbenzene	13.163	119	27926	4.640	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	31470	4.314	ug/l	100
85) sec-Butylbenzene	13.340	105	41649	4.491	ug/l	99
86) p-Isopropyltoluene	13.457	119	34969	4.489	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	18831	4.600	ug/l	90
88) 1,4-Dichlorobenzene	13.534	146	19956	4.938	ug/l	84
89) n-Butylbenzene	13.787	91	33368	4.544	ug/l	98
90) Hexachloroethane	14.045	117	8467	5.297	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	17808	5.050	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1239	5.653	ug/l	88
93) 1,2,4-Trichlorobenzene	15.092	180	9873	4.867	ug/l	98
94) Hexachlorobutadiene	15.204	225	4861	4.765	ug/l	97
95) Naphthalene	15.328	128	20471	5.277	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.510	180	8394	4.721	ug/l	98

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

