

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
 Data File : VY019482.D
 Acq On : 10 Sep 2024 11:55
 Operator : SY/MD
 Sample : P3390-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 11 06:38:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 06:35:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2024
 Supervised By :Mahesh Dadoda 09/11/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	517460	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	911308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	768432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	354870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	283149	59.093	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.180%			
35) Dibromofluoromethane	7.634	113	286839	55.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.020%			
50) Toluene-d8	10.109	98	1084137	56.727	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.460%			
62) 4-Bromofluorobenzene	12.408	95	380995	51.847	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.700%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	13179	4.029	ug/l	95
3) Chloromethane	2.068	50	15631	3.651	ug/l	97
4) Vinyl Chloride	2.208	62	17773	3.839	ug/l	93
5) Bromomethane	2.598	94	12918	4.543	ug/l	94
6) Chloroethane	2.739	64	12722	4.204	ug/l	100
7) Trichlorofluoromethane	3.062	101	32792	4.249	ug/l	99
8) Diethyl Ether	3.458	74	11997	4.631	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	20384	4.270	ug/l	95
10) Methyl Iodide	4.007	142	23854	3.897	ug/l	94
11) Tert butyl alcohol	4.854	59	10203	26.367	ug/l	# 56
12) 1,1-Dichloroethene	3.793	96	17959	3.912	ug/l	82
13) Acrolein	3.653	56	13817	66.589	ug/l	97
14) Allyl chloride	4.379	41	36364	4.417	ug/l	# 88
15) Acrylonitrile	5.061	53	27727	24.824	ug/l	95
16) Acetone	3.873	43	23177	20.304	ug/l	# 77
17) Carbon Disulfide	4.110	76	26280	2.119	ug/l	98
18) Methyl Acetate	4.379	43	20721	6.689	ug/l	90
19) Methyl tert-butyl Ether	5.116	73	66553	5.118	ug/l	98
20) Methylene Chloride	4.616	84	33500	6.435	ug/l	# 87
21) trans-1,2-Dichloroethene	5.116	96	20242	4.023	ug/l	90
22) Diisopropyl ether	6.018	45	85492	5.057	ug/l	# 88
23) Vinyl Acetate	5.958	43	280824	29.080	ug/l	94
24) 1,1-Dichloroethane	5.915	63	47011	4.955	ug/l	95
25) 2-Butanone	6.890	43	36421	22.433	ug/l	# 77
26) 2,2-Dichloropropane	6.878	77	44340	5.181	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	30279	4.953	ug/l	91
28) Bromochloromethane	7.250	49	18715	4.688	ug/l	83
29) Tetrahydrofuran	7.262	42	22444	22.737	ug/l	90
30) Chloroform	7.421	83	50736	5.239	ug/l	100
31) Cyclohexane	7.701	56	36863	4.299	ug/l	# 75
32) 1,1,1-Trichloroethane	7.616	97	41903	4.827	ug/l	96
36) 1,1-Dichloropropene	7.835	75	28541	4.059	ug/l	98
37) Ethyl Acetate	6.982	43	16449	4.566	ug/l	# 91
38) Carbon Tetrachloride	7.817	117	34880	4.399	ug/l	95
39) Methylcyclohexane	9.109	83	31323	3.348	ug/l	92
40) Benzene	8.079	78	96230	4.444	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	11054	5.264	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	29152	5.003	ug/l	94
43) Isopropyl Acetate	8.195	43	36624	4.839	ug/l #	80
44) Trichloroethene	8.866	130	24572	4.412	ug/l	95
45) 1,2-Dichloropropane	9.140	63	25518	4.820	ug/l	100
46) Dibromomethane	9.231	93	13622	4.705	ug/l	92
47) Bromodichloromethane	9.426	83	39939	5.132	ug/l	98
48) Methyl methacrylate	9.219	41	15969	4.468	ug/l	87
49) 1,4-Dioxane	9.231	88	3337	97.912	ug/l #	59
51) 4-Methyl-2-Pentanone	9.999	43	90282	23.711	ug/l	92
52) Toluene	10.170	92	61749	4.434	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	34222	4.613	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	40102	4.642	ug/l #	85
55) 1,1,2-Trichloroethane	10.573	97	19299	4.827	ug/l	93
56) Ethyl methacrylate	10.438	69	28387	4.674	ug/l #	84
57) 1,3-Dichloropropane	10.719	76	32479	4.726	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	63596	22.562	ug/l	95
59) 2-Hexanone	10.762	43	61637	22.081	ug/l	91
60) Dibromochloromethane	10.914	129	26322	4.977	ug/l	99
61) 1,2-Dibromoethane	11.018	107	17365	4.662	ug/l	98
64) Tetrachloroethene	10.652	164	21170	4.449	ug/l	93
65) Chlorobenzene	11.438	112	72190	4.776	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	27282	5.213	ug/l	96
67) Ethyl Benzene	11.518	91	128947	4.801	ug/l	100
68) m/p-Xylenes	11.627	106	96191	9.472	ug/l	95
69) o-Xylene	11.956	106	48530	4.886	ug/l	96
70) Styrene	11.969	104	81130	4.838	ug/l	96
71) Bromoform	12.133	173	13584	4.544	ug/l #	98
73) Isopropylbenzene	12.255	105	128079	4.975	ug/l	99
74) N-amyl acetate	12.072	43	32998	4.713	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	23670	5.180	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	17019m	5.117	ug/l	
77) Bromobenzene	12.530	156	27510	4.818	ug/l	85
78) n-propylbenzene	12.597	91	154964	5.078	ug/l	99
79) 2-Chlorotoluene	12.682	91	89420	5.028	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	105830	5.057	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.298	75	7539	4.351	ug/l	89
82) 4-Chlorotoluene	12.779	91	93622	5.121	ug/l	97
83) tert-Butylbenzene	12.999	119	98884	5.219	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	105213	5.079	ug/l	96
85) sec-Butylbenzene	13.176	105	140939	5.120	ug/l	100
86) p-Isopropyltoluene	13.292	119	113298	5.031	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	56368	5.081	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	55905	5.077	ug/l	93
89) n-Butylbenzene	13.615	91	107110	4.975	ug/l	97
90) Hexachloroethane	13.877	117	23417	4.997	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	50407	5.091	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3742	4.914	ug/l	85
93) 1,2,4-Trichlorobenzene	14.919	180	29006	4.817	ug/l	98
94) Hexachlorobutadiene	15.023	225	16142	5.018	ug/l	99
95) Naphthalene	15.145	128	54399	4.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	24586	4.773	ug/l	97

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

