

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091124\
 Data File : VY019505.D
 Acq On : 11 Sep 2024 12:38
 Operator : SY/MD
 Sample : P3390-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

09/12/2024
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Sep 12 05:49:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 05:47:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	459882	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	805658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	683586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	315903	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	237244	55.712	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.420%	
35) Dibromofluoromethane	7.634	113	234504	51.337	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.680%	
50) Toluene-d8	10.109	98	862703	51.060	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.408	95	308958	47.557	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 95.120%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	14057	4.835	ug/l	92
3) Chloromethane	2.068	50	16052	4.219	ug/l	97
4) Vinyl Chloride	2.202	62	18776	4.564	ug/l	99
5) Bromomethane	2.598	94	14222	5.628	ug/l	95
6) Chloroethane	2.739	64	14138	5.257	ug/l	99
7) Trichlorofluoromethane	3.056	101	36612	5.338	ug/l	98
8) Diethyl Ether	3.458	74	12393	5.383	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.818	101	24116	5.684	ug/l	93
10) Methyl Iodide	4.000	142	23613	4.341	ug/l	94
11) Tert butyl alcohol	4.866	59	11825	34.385	ug/l #	88
12) 1,1-Dichloroethene	3.787	96	19049	4.669	ug/l	97
13) Acrolein	3.659	56	12944	70.192	ug/l	98
14) Allyl chloride	4.378	41	34368	4.697	ug/l #	93
15) Acrylonitrile	5.055	53	31185	31.416	ug/l	99
16) Acetone	3.872	43	26867	26.483	ug/l #	80
17) Carbon Disulfide	4.104	76	25715	2.333	ug/l #	95
18) Methyl Acetate	4.385	43	22103	8.028	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	73593	6.368	ug/l	95
20) Methylene Chloride	4.616	84	37849	8.181	ug/l	89
21) trans-1,2-Dichloroethene	5.110	96	21165	4.733	ug/l	86
22) Diisopropyl ether	6.018	45	90791	6.042	ug/l #	88
23) Vinyl Acetate	5.957	43	309241	36.032	ug/l #	93
24) 1,1-Dichloroethane	5.915	63	47846	5.675	ug/l	94
25) 2-Butanone	6.896	43	41307	28.628	ug/l #	88
26) 2,2-Dichloropropane	6.884	77	44275	5.822	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	29901	5.504	ug/l	87
28) Bromochloromethane	7.244	49	19502	5.497	ug/l	86
29) Tetrahydrofuran	7.268	42	26325	30.007	ug/l	87
30) Chloroform	7.421	83	52287	6.075	ug/l	98
31) Cyclohexane	7.701	56	39197	5.143	ug/l #	81
32) 1,1,1-Trichloroethane	7.610	97	44227	5.733	ug/l	96
36) 1,1-Dichloropropene	7.835	75	29550	4.754	ug/l	97
37) Ethyl Acetate	6.982	43	18282	5.740	ug/l #	96
38) Carbon Tetrachloride	7.817	117	37424	5.339	ug/l	91
39) Methylcyclohexane	9.109	83	34713	4.197	ug/l	93
40) Benzene	8.079	78	98978	5.170	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	10928m	5.886	ug/l	
42) 1,2-Dichloroethane	8.152	62	30562	5.933	ug/l	98
43) Isopropyl Acetate	8.195	43	40670	6.078	ug/l	91
44) Trichloroethene	8.865	130	25012	5.080	ug/l	94
45) 1,2-Dichloropropane	9.140	63	27109	5.792	ug/l	100
46) Dibromomethane	9.231	93	14894	5.819	ug/l	95
47) Bromodichloromethane	9.420	83	40367	5.867	ug/l	95
48) Methyl methacrylate	9.219	41	17526	5.547	ug/l	85
49) 1,4-Dioxane	9.243	88	3564	118.286	ug/l #	83
51) 4-Methyl-2-Pentanone	9.999	43	101056	30.021	ug/l	94
52) Toluene	10.170	92	65525	5.322	ug/l	95
53) t-1,3-Dichloropropene	10.396	75	36541	5.572	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	41253	5.402	ug/l #	87
55) 1,1,2-Trichloroethane	10.572	97	21995	6.223	ug/l	93
56) Ethyl methacrylate	10.438	69	31521	5.871	ug/l #	82
57) 1,3-Dichloropropane	10.719	76	35583	5.857	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	63890	25.638	ug/l	98
59) 2-Hexanone	10.761	43	70890	28.726	ug/l	90
60) Dibromochloromethane	10.914	129	28900	6.181	ug/l	99
61) 1,2-Dibromoethane	11.018	107	18713	5.682	ug/l	98
64) Tetrachloroethene	10.646	164	21601	5.103	ug/l	97
65) Chlorobenzene	11.438	112	77065	5.731	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	27553	5.918	ug/l	99
67) Ethyl Benzene	11.517	91	129923	5.438	ug/l	98
68) m/p-Xylenes	11.627	106	96637	10.697	ug/l	91
69) o-Xylene	11.956	106	49145	5.562	ug/l	96
70) Styrene	11.969	104	83417	5.592	ug/l	95
71) Bromoform	12.133	173	15799	5.941	ug/l #	96
73) Isopropylbenzene	12.255	105	132115	5.765	ug/l	100
74) N-amyl acetate	12.072	43	36803	5.905	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	26635	6.548	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	14765m	4.987	ug/l	
77) Bromobenzene	12.529	156	29000	5.705	ug/l	86
78) n-propylbenzene	12.596	91	155861	5.738	ug/l	98
79) 2-Chlorotoluene	12.682	91	91333	5.769	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	107427	5.766	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	9201	5.965	ug/l	90
82) 4-Chlorotoluene	12.779	91	96675	5.940	ug/l	95
83) tert-Butylbenzene	12.999	119	100984	5.987	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	107391	5.823	ug/l	97
85) sec-Butylbenzene	13.176	105	145691	5.946	ug/l	100
86) p-Isopropyltoluene	13.291	119	118064	5.889	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	60427	6.118	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	58378	5.956	ug/l	92
89) n-Butylbenzene	13.615	91	111239	5.804	ug/l	99
90) Hexachloroethane	13.877	117	24079	5.773	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	53311	6.049	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4365	6.439	ug/l	79
93) 1,2,4-Trichlorobenzene	14.919	180	28836	5.379	ug/l	97
94) Hexachlorobutadiene	15.023	225	16055	5.606	ug/l	97
95) Naphthalene	15.145	128	60520	5.638	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	25074	5.469	ug/l	98

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

