

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
 Data File : VY019849.D
 Acq On : 10 Oct 2024 12:13
 Operator : SY/MD
 Sample : P4368-02 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 11 08:13:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 08:10:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	368555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	650108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	543745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	249257	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	223179	49.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.360%
35) Dibromofluoromethane	7.634	113	211985	49.414	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.820%
50) Toluene-d8	10.103	98	783165	49.435	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.860%
62) 4-Bromofluorobenzene	12.402	95	269611	47.099	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	94.200%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	15781	4.600	ug/l	90
3) Chloromethane	2.068	50	23041	5.160	ug/l	100
4) Vinyl Chloride	2.202	62	24275	4.940	ug/l	97
5) Bromomethane	2.599	94	17467	5.616	ug/l	98
6) Chloroethane	2.733	64	16365	4.957	ug/l	98
7) Trichlorofluoromethane	3.056	101	34255	4.685	ug/l	98
8) Diethyl Ether	3.464	74	10097	4.544	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	19457	4.575	ug/l	99
10) Methyl Iodide	4.013	142	18341	4.264	ug/l	98
11) Tert butyl alcohol	4.860	59	11887m	27.960	ug/l	
12) 1,1-Dichloroethene	3.787	96	18717	4.734	ug/l	91
13) Acrolein	3.659	56	11353	34.047	ug/l	98
14) Allyl chloride	4.391	41	31938	4.477	ug/l	98
15) Acrylonitrile	5.068	53	19247	18.936	ug/l	90
16) Acetone	3.867	43	20833	17.635	ug/l	99
17) Carbon Disulfide	4.110	76	55010	5.191	ug/l	99
18) Methyl Acetate	4.391	43	13985	5.496	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	45343	3.992	ug/l	98
20) Methylene Chloride	4.623	84	24694	5.180	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	19376	4.503	ug/l	91
22) Diisopropyl ether	6.025	45	65800	4.234	ug/l	96
23) Vinyl Acetate	5.964	43	202764m	22.761	ug/l	
24) 1,1-Dichloroethane	5.915	63	37264	4.314	ug/l	98
25) 2-Butanone	6.903	43	29534	18.678	ug/l	95
26) 2,2-Dichloropropane	6.890	77	33064	4.298	ug/l	96
27) cis-1,2-Dichloroethene	6.897	96	21680	4.077	ug/l	95
28) Bromochloromethane	7.250	49	16332	4.296	ug/l	98
29) Tetrahydrofuran	7.268	42	19844	21.979	ug/l	97
30) Chloroform	7.421	83	37233	4.229	ug/l	95
31) Cyclohexane	7.707	56	43183	5.695	ug/l #	80
32) 1,1,1-Trichloroethane	7.616	97	33161	4.297	ug/l	97
36) 1,1-Dichloropropene	7.835	75	27740	4.488	ug/l	98
37) Ethyl Acetate	6.994	43	11945m	3.706	ug/l	
38) Carbon Tetrachloride	7.823	117	27041	4.081	ug/l	96
39) Methylcyclohexane	9.110	83	36621	4.703	ug/l	94
40) Benzene	8.079	78	81738	4.370	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	7058	4.046	ug/l	96
42) 1,2-Dichloroethane	8.159	62	23807	4.430	ug/l	98
43) Isopropyl Acetate	8.201	43	26709	4.064	ug/l	99
44) Trichloroethene	8.866	130	19837	4.379	ug/l	98
45) 1,2-Dichloropropane	9.140	63	20212	4.317	ug/l #	88
46) Dibromomethane	9.231	93	10706	4.185	ug/l	98
47) Bromodichloromethane	9.420	83	27167	4.001	ug/l	97
48) Methyl methacrylate	9.219	41	11179	3.867	ug/l	95
49) 1,4-Dioxane	9.231	88	2227	77.789	ug/l #	65
51) 4-Methyl-2-Pentanone	10.000	43	63296	18.881	ug/l	98
52) Toluene	10.170	92	49589	4.247	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	22804	3.733	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	29142	4.043	ug/l	90
55) 1,1,2-Trichloroethane	10.567	97	12980	3.852	ug/l	90
56) Ethyl methacrylate	10.439	69	18492	3.824	ug/l	98
57) 1,3-Dichloropropane	10.719	76	24131	4.077	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	44150	19.612	ug/l	99
59) 2-Hexanone	10.762	43	43421	18.135	ug/l	100
60) Dibromochloromethane	10.908	129	16396	3.791	ug/l	96
61) 1,2-Dibromoethane	11.012	107	12678	4.163	ug/l	98
64) Tetrachloroethene	10.646	164	17171	4.440	ug/l	95
65) Chlorobenzene	11.438	112	52556	4.226	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.512	131	16952	4.029	ug/l	97
67) Ethyl Benzene	11.518	91	93995	4.161	ug/l	100
68) m/p-Xylenes	11.627	106	68626	8.225	ug/l	99
69) o-Xylene	11.951	106	33485	4.177	ug/l	96
70) Styrene	11.969	104	53247	3.937	ug/l	99
71) Bromoform	12.133	173	8404	3.731	ug/l #	92
73) Isopropylbenzene	12.249	105	86444	4.123	ug/l	100
74) N-amyl acetate	12.066	43	20638	3.717	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.499	83	15853	4.255	ug/l	98
76) 1,2,3-Trichloropropane	12.548	75	10303m	3.970	ug/l	
77) Bromobenzene	12.530	156	18042	4.055	ug/l	94
78) n-propylbenzene	12.591	91	106907	4.220	ug/l	100
79) 2-Chlorotoluene	12.676	91	60613	4.173	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	70114	4.141	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	4340m	3.588	ug/l	
82) 4-Chlorotoluene	12.774	91	63654	4.286	ug/l	99
83) tert-Butylbenzene	12.993	119	61556	4.058	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	67521	4.022	ug/l	100
85) sec-Butylbenzene	13.170	105	92058	4.062	ug/l	99
86) p-Isopropyltoluene	13.286	119	74314	4.038	ug/l	100
87) 1,3-Dichlorobenzene	13.280	146	36249	4.035	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	37837	4.287	ug/l	94
89) n-Butylbenzene	13.615	91	70431	3.920	ug/l	98
90) Hexachloroethane	13.877	117	13688	3.820	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	31372	3.974	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	2345	3.944	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	15825	3.575	ug/l	99
94) Hexachlorobutadiene	15.023	225	9409	3.823	ug/l	94
95) Naphthalene	15.139	128	28391	3.401	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	14035	3.751	ug/l	97

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

