

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051324\
 Data File : VY018242.D
 Acq On : 13 May 2024 15:25
 Operator : SY/MD
 Sample : P2403-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: May 14 03:09:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 03:01:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/14/2024
 Supervised By :Semsettin Yesilyurt 05/14/2024

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	200626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	344638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	292055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85414	57.871	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	115.740%	
35) Dibromofluoromethane	7.710	113	98760	54.526	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	109.060%	
50) Toluene-d8	10.179	98	395770	55.450	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	110.900%	
62) 4-Bromofluorobenzene	12.483	95	120179	52.139	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	104.280%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	8012	5.036	ug/l	96
3) Chloromethane	2.107	50	12553	5.894	ug/l	98
4) Vinyl Chloride	2.247	62	14644	5.672	ug/l	98
5) Bromomethane	2.643	94	10696	5.965	ug/l	98
6) Chloroethane	2.790	64	10042	6.129	ug/l	96
7) Trichlorofluoromethane	3.119	101	15875	5.249	ug/l	97
8) Diethyl Ether	3.527	74	5161	5.184	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.881	101	9848	5.110	ug/l	94
10) Methyl Iodide	4.082	142	10310	4.581	ug/l	99
11) Tert butyl alcohol	4.930	59	6506	44.100	ug/l	99
12) 1,1-Dichloroethene	3.863	96	9706	5.003	ug/l	93
13) Acrolein	3.723	56	5013	31.509	ug/l	92
14) Allyl chloride	4.466	41	12801	5.186	ug/l	97
15) Acrylonitrile	5.155	53	10012	26.151	ug/l	99
16) Acetone	3.936	43	8930	30.319	ug/l #	85
17) Carbon Disulfide	4.192	76	29624	5.608	ug/l	98
18) Methyl Acetate	4.460	43	6097	7.267	ug/l	98
19) Methyl tert-butyl Ether	5.204	73	21794	5.043	ug/l	99
20) Methylene Chloride	4.710	84	34808	16.720	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	11144	5.418	ug/l #	81
22) Diisopropyl ether	6.106	45	26314	5.026	ug/l #	92
23) Vinyl Acetate	6.051	43	74691	23.470	ug/l	98
24) 1,1-Dichloroethane	6.009	63	15907	4.933	ug/l #	96
25) 2-Butanone	6.990	43	11485	24.394	ug/l	89
26) 2,2-Dichloropropane	6.972	77	15121	5.181	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	12294	5.058	ug/l	98
28) Bromochloromethane	7.325	49	6309	4.895	ug/l	99
29) Tetrahydrofuran	7.338	42	7509	24.162	ug/l	100
30) Chloroform	7.508	83	16971	5.041	ug/l	90
31) Cyclohexane	7.777	56	18749	6.124	ug/l #	84
32) 1,1,1-Trichloroethane	7.697	97	14768	4.894	ug/l	97
36) 1,1-Dichloropropene	7.911	75	13082	5.038	ug/l	97
37) Ethyl Acetate	7.063	43	5430	4.969	ug/l #	97
38) Carbon Tetrachloride	7.899	117	13151	4.635	ug/l	88
39) Methylcyclohexane	9.179	83	17907	4.780	ug/l	88
40) Benzene	8.155	78	41845	5.010	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	3131	4.961	ug/l #	39
42) 1,2-Dichloroethane	8.228	62	9913	5.455	ug/l	95
43) Isopropyl Acetate	8.270	43	10858	4.847	ug/l #	85
44) Trichloroethene	8.941	130	10746	4.726	ug/l	92
45) 1,2-Dichloropropane	9.209	63	9265	5.074	ug/l	98
46) Dibromomethane	9.307	93	5249	5.000	ug/l	94
47) Bromodichloromethane	9.496	83	11476	4.422	ug/l	97
48) Methyl methacrylate	9.289	41	4333	4.221	ug/l #	89
49) 1,4-Dioxane	9.289	88	1520	109.088	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	27061	24.036	ug/l	95
52) Toluene	10.240	92	25597	4.761	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	10808	4.459	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	14048	4.741	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	6830	4.736	ug/l	95
56) Ethyl methacrylate	10.508	69	8483	4.331	ug/l	89
57) 1,3-Dichloropropane	10.788	76	11352	4.837	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	21632	23.132	ug/l	98
59) 2-Hexanone	10.831	43	18190	23.107	ug/l	89
60) Dibromochloromethane	10.983	129	7973	4.262	ug/l	98
61) 1,2-Dibromoethane	11.087	107	5949	4.380	ug/l	92
64) Tetrachloroethene	10.721	164	9828	5.054	ug/l	96
65) Chlorobenzene	11.514	112	28421	4.778	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	8687	4.515	ug/l	96
67) Ethyl Benzene	11.593	91	47624	4.742	ug/l	99
68) m/p-Xylenes	11.703	106	38171	9.611	ug/l	96
69) o-Xylene	12.026	106	17401	4.566	ug/l	94
70) Styrene	12.044	104	28750	4.517	ug/l	99
71) Bromoform	12.209	173	4631	4.350	ug/l #	95
73) Isopropylbenzene	12.331	105	45962	4.938	ug/l	99
74) N-amyl acetate	12.148	43	8371	4.332	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	7476	5.035	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	4117m	4.143	ug/l	
77) Bromobenzene	12.611	156	10095	4.721	ug/l	95
78) n-propylbenzene	12.672	91	52996	4.895	ug/l	98
79) 2-Chlorotoluene	12.757	91	29633	4.925	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	35740	4.869	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	2340	4.537	ug/l	85
82) 4-Chlorotoluene	12.855	91	29821	4.934	ug/l	92
83) tert-Butylbenzene	13.074	119	33283	4.916	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	34378	4.781	ug/l	99
85) sec-Butylbenzene	13.251	105	47533	4.786	ug/l	97
86) p-Isopropyltoluene	13.367	119	39526	4.838	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	19969	4.835	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	19949	4.955	ug/l	91
89) n-Butylbenzene	13.696	91	35398	4.788	ug/l	99
90) Hexachloroethane	13.965	117	7128	4.447	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	17101	4.818	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1086	5.371	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	8494	4.257	ug/l	95
94) Hexachlorobutadiene	15.111	225	4943	4.489	ug/l	96
95) Naphthalene	15.239	128	14825	4.054	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.422	180	6887	4.205	ug/l	96

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

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