

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051424\
 Data File : VY018256.D
 Acq On : 14 May 2024 14:24
 Operator : SY/MD
 Sample : P2403-01 4PPB
 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 15 05:18:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:17:02 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
 Supervised By :Semsettin Yesilyurt 05/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	191041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	323697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	108782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71308	50.738	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.480%			
35) Dibromofluoromethane	7.710	113	84986	49.957	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.920%			
50) Toluene-d8	10.179	98	355908	53.091	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.180%			
62) 4-Bromofluorobenzene	12.477	95	101342	46.811	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	8292	5.473	ug/l	90
3) Chloromethane	2.113	50	11694	5.766	ug/l	95
4) Vinyl Chloride	2.241	62	14427	5.868	ug/l	98
5) Bromomethane	2.650	94	10202	5.975	ug/l	87
6) Chloroethane	2.790	64	9396	6.022	ug/l	98
7) Trichlorofluoromethane	3.125	101	15583	5.411	ug/l	96
8) Diethyl Ether	3.521	74	4324	4.561	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	9895	5.392	ug/l	99
10) Methyl Iodide	4.082	142	8781	4.097	ug/l #	97
11) Tert butyl alcohol	4.936	59	6595	46.946	ug/l #	97
12) 1,1-Dichloroethene	3.857	96	9487	5.135	ug/l #	78
13) Acrolein	3.710	56	3612	23.842	ug/l	99
14) Allyl chloride	4.466	41	12332	5.247	ug/l	98
15) Acrylonitrile	5.149	53	7371	20.219	ug/l	94
16) Acetone	3.930	43	8939	31.872	ug/l #	73
17) Carbon Disulfide	4.186	76	27902	5.547	ug/l	96
18) Methyl Acetate	4.479	43	4272	5.347	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	18182	4.418	ug/l	96
20) Methylene Chloride	4.698	84	20702	10.443	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	10102	5.158	ug/l	91
22) Diisopropyl ether	6.112	45	24046	4.823	ug/l	96
23) Vinyl Acetate	6.058	43	64359	21.238	ug/l	95
24) 1,1-Dichloroethane	6.009	63	15560	5.067	ug/l	97
25) 2-Butanone	6.978	43	9475	21.134	ug/l	96
26) 2,2-Dichloropropane	6.978	77	15163	5.456	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	11318	4.890	ug/l	99
28) Bromochloromethane	7.332	49	5200	4.237	ug/l	96
29) Tetrahydrofuran	7.344	42	6482	21.903	ug/l	92
30) Chloroform	7.496	83	15558	4.853	ug/l	98
31) Cyclohexane	7.783	56	18592	6.377	ug/l #	78
32) 1,1,1-Trichloroethane	7.691	97	14101	4.907	ug/l	95
36) 1,1-Dichloropropene	7.917	75	12472	5.114	ug/l	97
37) Ethyl Acetate	7.070	43	5074m	4.943	ug/l	
38) Carbon Tetrachloride	7.893	117	13250	4.972	ug/l	98
39) Methylcyclohexane	9.179	83	18449	5.244	ug/l #	92
40) Benzene	8.155	78	39406	5.023	ug/l	93

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41) Methacrylonitrile	7.307	41	2989	5.043	ug/l #	65
42) 1,2-Dichloroethane	8.234	62	7769	4.552	ug/l	95
43) Isopropyl Acetate	8.264	43	9094	4.322	ug/l #	83
44) Trichloroethene	8.935	130	10439	4.888	ug/l	97
45) 1,2-Dichloropropane	9.209	63	8255	4.813	ug/l #	83
46) Dibromomethane	9.301	93	4414	4.477	ug/l	91
47) Bromodichloromethane	9.490	83	10594	4.346	ug/l	91
48) Methyl methacrylate	9.289	41	4038	4.188	ug/l	90
49) 1,4-Dioxane	9.295	88	1114	85.123	ug/l #	92
51) 4-Methyl-2-Pentanone	10.069	43	21402	20.239	ug/l	98
52) Toluene	10.240	92	23783	4.709	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	9607	4.220	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	12182	4.377	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	5723	4.225	ug/l #	89
56) Ethyl methacrylate	10.508	69	7068	3.842	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	9620	4.364	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	11736	13.361	ug/l	96
59) 2-Hexanone	10.831	43	13312	18.004	ug/l	92
60) Dibromochloromethane	10.983	129	7137	4.062	ug/l	95
61) 1,2-Dibromoethane	11.087	107	5028	3.941	ug/l	93
64) Tetrachloroethene	10.721	164	8360	4.713	ug/l	96
65) Chlorobenzene	11.514	112	24970	4.602	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.587	131	7872	4.485	ug/l	97
67) Ethyl Benzene	11.593	91	45333	4.948	ug/l	99
68) m/p-Xylenes	11.703	106	35269	9.735	ug/l	95
69) o-Xylene	12.026	106	16208	4.662	ug/l	99
70) Styrene	12.044	104	25217	4.343	ug/l	98
71) Bromoform	12.203	173	3798	3.911	ug/l #	95
73) Isopropylbenzene	12.331	105	42222	5.177	ug/l	99
74) N-amyl acetate	12.142	43	7228	4.269	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	6272	4.821	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	4096m	4.704	ug/l	
77) Bromobenzene	12.605	156	8900	4.750	ug/l	95
78) n-propylbenzene	12.672	91	50159	5.287	ug/l	99
79) 2-Chlorotoluene	12.758	91	27192	5.158	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	32745	5.092	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	1705	3.773	ug/l #	93
82) 4-Chlorotoluene	12.855	91	26148	4.938	ug/l	93
83) tert-Butylbenzene	13.075	119	30102	5.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	31481	4.997	ug/l	98
85) sec-Butylbenzene	13.251	105	44447	5.108	ug/l	99
86) p-Isopropyltoluene	13.367	119	35956	5.023	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	17453	4.823	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	17337	4.915	ug/l	93
89) n-Butylbenzene	13.696	91	31978	4.936	ug/l	98
90) Hexachloroethane	13.959	117	6282	4.473	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	14911	4.794	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	768	4.335	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	6965	3.983	ug/l	94
94) Hexachlorobutadiene	15.111	225	4042	4.190	ug/l	95
95) Naphthalene	15.233	128	11013	3.437	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	5460	3.805	ug/l	97

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

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