

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018287.D
 Acq On : 16 May 2024 15:36
 Operator : SY/MD
 Sample : P2403-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: May 17 02:05:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 02:04:27 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2024
 Supervised By :Mahesh Dadoda 05/17/2024

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	169080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	297608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71379	57.385	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.760%			
35) Dibromofluoromethane	7.710	113	79647	50.923	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.840%			
50) Toluene-d8	10.179	98	310715	50.413	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.820%			
62) 4-Bromofluorobenzene	12.477	95	95745	48.103	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	5548	4.138	ug/l	99
3) Chloromethane	2.107	50	8508	4.740	ug/l	92
4) Vinyl Chloride	2.247	62	10045	4.617	ug/l	96
5) Bromomethane	2.643	94	7722	5.110	ug/l	98
6) Chloroethane	2.790	64	6725	4.870	ug/l	94
7) Trichlorofluoromethane	3.113	101	11204	4.396	ug/l #	81
8) Diethyl Ether	3.521	74	3625	4.321	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.887	101	6890	4.242	ug/l	93
10) Methyl Iodide	4.082	142	6934	3.656	ug/l	96
11) Tert butyl alcohol	4.924	59	8183	65.816	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	6424	3.929	ug/l	89
13) Acrolein	3.716	56	4651	34.688	ug/l	96
14) Allyl chloride	4.466	41	7882	3.789	ug/l	93
15) Acrylonitrile	5.155	53	7582	23.499	ug/l	94
16) Acetone	3.936	43	7351	29.614	ug/l #	80
17) Carbon Disulfide	4.186	76	18176	4.083	ug/l	98
18) Methyl Acetate	4.466	43	4547	6.431	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	15924	4.372	ug/l	100
20) Methylene Chloride	4.710	84	16952	9.662	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	7556	4.359	ug/l	88
22) Diisopropyl ether	6.106	45	18872	4.277	ug/l #	83
23) Vinyl Acetate	6.051	43	55105	20.546	ug/l	99
24) 1,1-Dichloroethane	6.009	63	11295	4.156	ug/l	99
25) 2-Butanone	6.978	43	10494	26.447	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	11874	4.827	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	8611	4.204	ug/l	96
28) Bromochloromethane	7.332	49	6253	5.756	ug/l	91
29) Tetrahydrofuran	7.344	42	6509	24.851	ug/l	91
30) Chloroform	7.496	83	11998	4.229	ug/l	87
31) Cyclohexane	7.783	56	13096	5.076	ug/l #	76
32) 1,1,1-Trichloroethane	7.697	97	10314	4.056	ug/l	96
36) 1,1-Dichloropropene	7.917	75	8278	3.692	ug/l	94
37) Ethyl Acetate	7.069	43	4840	5.129	ug/l #	75
38) Carbon Tetrachloride	7.893	117	8671	3.539	ug/l #	89
39) Methylcyclohexane	9.179	83	11980	3.704	ug/l	93
40) Benzene	8.155	78	28343	3.930	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2425	4.450	ug/l #	23
42) 1,2-Dichloroethane	8.234	62	7035	4.483	ug/l	88
43) Isopropyl Acetate	8.271	43	8220	4.249	ug/l	97
44) Trichloroethene	8.929	130	7153	3.643	ug/l	97
45) 1,2-Dichloropropane	9.209	63	6439	4.084	ug/l	98
46) Dibromomethane	9.301	93	3607	3.979	ug/l	95
47) Bromodichloromethane	9.490	83	8039	3.587	ug/l #	90
48) Methyl methacrylate	9.295	41	3363	3.793	ug/l #	93
49) 1,4-Dioxane	9.301	88	980	81.448	ug/l #	80
51) 4-Methyl-2-Pentanone	10.063	43	20825	21.420	ug/l	93
52) Toluene	10.246	92	17711	3.814	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	7609	3.635	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	10214	3.992	ug/l #	91
55) 1,1,2-Trichloroethane	10.642	97	4913	3.945	ug/l	93
56) Ethyl methacrylate	10.508	69	6233	3.686	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	8436	4.163	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.782	63	20582	25.487	ug/l	99
59) 2-Hexanone	10.831	43	14150	20.815	ug/l	93
60) Dibromochloromethane	10.983	129	5914	3.661	ug/l	97
61) 1,2-Dibromoethane	11.087	107	4775	4.071	ug/l	96
64) Tetrachloroethene	10.715	164	6435	3.794	ug/l	94
65) Chlorobenzene	11.514	112	18555	3.577	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	5522	3.291	ug/l	92
67) Ethyl Benzene	11.593	91	32540	3.715	ug/l	96
68) m/p-Xylenes	11.703	106	25118	7.251	ug/l	97
69) o-Xylene	12.026	106	12249	3.685	ug/l	94
70) Styrene	12.044	104	19082	3.437	ug/l	99
71) Bromoform	12.209	173	2950	3.177	ug/l #	97
73) Isopropylbenzene	12.325	105	29854	3.544	ug/l	99
74) N-amyl acetate	12.142	43	6568	3.756	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	5010	3.728	ug/l	92
76) 1,2,3-Trichloropropane	12.636	75	4177m	4.644	ug/l	
77) Bromobenzene	12.605	156	6880	3.555	ug/l	99
78) n-propylbenzene	12.672	91	36108	3.685	ug/l	99
79) 2-Chlorotoluene	12.758	91	20586	3.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	24410	3.675	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	2045	4.381	ug/l	96
82) 4-Chlorotoluene	12.849	91	20556	3.758	ug/l	100
83) tert-Butylbenzene	13.075	119	21833	3.563	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	23822	3.661	ug/l	99
85) sec-Butylbenzene	13.251	105	32560	3.623	ug/l	98
86) p-Isopropyltoluene	13.367	119	25467	3.444	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	13361	3.575	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	13821	3.793	ug/l	94
89) n-Butylbenzene	13.696	91	23912	3.574	ug/l	97
90) Hexachloroethane	13.959	117	4401	3.034	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	11555	3.597	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.361	75	831	4.541	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	6213	3.440	ug/l	94
94) Hexachlorobutadiene	15.111	225	3564	3.577	ug/l	95
95) Naphthalene	15.233	128	11719	3.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	5091	3.435	ug/l	93

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

