

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051524\
 Data File : VY018267.D
 Acq On : 15 May 2024 11:20
 Operator : SY/MD
 Sample : P2403-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: May 16 03:54:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 03:54:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2024
 Supervised By :Semsettin Yesilyurt 05/16/2024

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	185832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	337173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	274967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	40856	29.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	59.760%		
35) Dibromofluoromethane	7.716	113	47007	26.528	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	53.060%#		
50) Toluene-d8	10.179	98	191225	27.385	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	54.780%#		
62) 4-Bromofluorobenzene	12.483	95	56271	24.954	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	49.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4073	2.764	ug/l	97
3) Chloromethane	2.113	50	6885	3.490	ug/l	92
4) Vinyl Chloride	2.247	62	7589	3.173	ug/l	99
5) Bromomethane	2.649	94	6068	3.654	ug/l	92
6) Chloroethane	2.790	64	4978	3.280	ug/l	99
7) Trichlorofluoromethane	3.119	101	8191	2.924	ug/l	100
8) Diethyl Ether	3.521	74	3064	3.323	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.887	101	5231	2.930	ug/l	89
10) Methyl Iodide	4.082	142	4885	2.343	ug/l	97
11) Tert butyl alcohol	4.942	59	2664	19.495	ug/l #	87
12) 1,1-Dichloroethene	3.875	96	5544	3.085	ug/l #	75
13) Acrolein	3.722	56	2655m	18.017	ug/l	
14) Allyl chloride	4.472	41	7066	3.091	ug/l	95
15) Acrylonitrile	5.161	53	5219	14.717	ug/l	92
16) Acetone	3.936	43	4694	17.205	ug/l	91
17) Carbon Disulfide	4.186	76	15201	3.107	ug/l #	94
18) Methyl Acetate	4.460	43	2760	3.551	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	11081	2.768	ug/l	97
20) Methylene Chloride	4.704	84	11851	6.146	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	5929	3.112	ug/l	91
22) Diisopropyl ether	6.106	45	14389	2.967	ug/l #	92
23) Vinyl Acetate	6.057	43	39319	13.339	ug/l	97
24) 1,1-Dichloroethane	6.003	63	8936	2.991	ug/l	97
25) 2-Butanone	6.978	43	5942	13.625	ug/l	97
26) 2,2-Dichloropropane	6.972	77	8083	2.990	ug/l	85
27) cis-1,2-Dichloroethene	6.984	96	6855	3.045	ug/l	98
28) Bromochloromethane	7.332	49	3846	3.221	ug/l #	94
29) Tetrahydrofuran	7.350	42	4131	14.350	ug/l	94
30) Chloroform	7.496	83	9433	3.025	ug/l	97
31) Cyclohexane	7.783	56	11571	4.080	ug/l #	64
32) 1,1,1-Trichloroethane	7.703	97	7900	2.826	ug/l	97
36) 1,1-Dichloropropene	7.917	75	7579	2.984	ug/l	96
37) Ethyl Acetate	7.069	43	3046	2.849	ug/l #	95
38) Carbon Tetrachloride	7.899	117	7055	2.542	ug/l #	92
39) Methylcyclohexane	9.185	83	9264	2.528	ug/l	97
40) Benzene	8.161	78	22003	2.693	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2200	3.563	ug/l #	81
42) 1,2-Dichloroethane	8.240	62	5141	2.892	ug/l	86
43) Isopropyl Acetate	8.270	43	6118	2.792	ug/l	99
44) Trichloroethene	8.941	130	5913	2.658	ug/l	93
45) 1,2-Dichloropropane	9.215	63	4911	2.749	ug/l	91
46) Dibromomethane	9.301	93	2663	2.593	ug/l	99
47) Bromodichloromethane	9.496	83	6330	2.493	ug/l #	97
48) Methyl methacrylate	9.295	41	2405	2.394	ug/l #	94
49) 1,4-Dioxane	9.289	88	960	70.423	ug/l #	96
51) 4-Methyl-2-Pentanone	10.069	43	13412	12.176	ug/l	97
52) Toluene	10.246	92	14015	2.664	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	5840	2.463	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	7413	2.557	ug/l	95
55) 1,1,2-Trichloroethane	10.654	97	3453	2.448	ug/l #	79
56) Ethyl methacrylate	10.514	69	4207	2.196	ug/l #	74
57) 1,3-Dichloropropane	10.794	76	6001	2.614	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.782	63	10447	11.419	ug/l	95
59) 2-Hexanone	10.837	43	8201	10.648	ug/l	94
60) Dibromochloromethane	10.983	129	4175	2.281	ug/l	95
61) 1,2-Dibromoethane	11.093	107	3302	2.485	ug/l	94
64) Tetrachloroethene	10.721	164	4745	2.592	ug/l	91
65) Chlorobenzene	11.514	112	14373	2.567	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	4622	2.552	ug/l	91
67) Ethyl Benzene	11.599	91	25434	2.690	ug/l	97
68) m/p-Xylenes	11.709	106	19892	5.320	ug/l	98
69) o-Xylene	12.032	106	8563	2.386	ug/l	89
70) Styrene	12.044	104	14971	2.498	ug/l	100
71) Bromoform	12.209	173	2510	2.504	ug/l #	95
73) Isopropylbenzene	12.331	105	23569	2.744	ug/l	95
74) N-amyl acetate	12.154	43	4485	2.516	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	3520	2.569	ug/l	92
76) 1,2,3-Trichloropropane	12.642	75	2203m	2.403	ug/l	
77) Bromobenzene	12.611	156	5248	2.660	ug/l	99
78) n-propylbenzene	12.672	91	28649	2.868	ug/l	100
79) 2-Chlorotoluene	12.757	91	15646	2.819	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	18217	2.690	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	1334	2.803	ug/l	95
82) 4-Chlorotoluene	12.855	91	15591	2.796	ug/l	96
83) tert-Butylbenzene	13.074	119	17530	2.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	18396	2.773	ug/l	99
85) sec-Butylbenzene	13.257	105	24523	2.677	ug/l	98
86) p-Isopropyltoluene	13.373	119	20061	2.662	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	9999	2.624	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	10032m	2.701	ug/l	
89) n-Butylbenzene	13.702	91	17809	2.611	ug/l	99
90) Hexachloroethane	13.958	117	3674	2.485	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	8460	2.583	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.361	75	416	2.230	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	4315	2.344	ug/l	93
94) Hexachlorobutadiene	15.123	225	2351	2.314	ug/l	95
95) Naphthalene	15.239	128	7120	2.111	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	3409	2.256	ug/l	97

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

