

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051524\
 Data File : VY018268.D
 Acq On : 15 May 2024 11:43
 Operator : SY/MD
 Sample : P2403-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: May 16 03:55:45 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	168524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	306102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	263510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78275	63.136	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.280%			
35) Dibromofluoromethane	7.709	113	89098	55.385	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.760%			
50) Toluene-d8	10.179	98	349823	55.183	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.360%			
62) 4-Bromofluorobenzene	12.483	95	109075	53.279	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6383	4.776	ug/l	93
3) Chloromethane	2.107	50	10426	5.828	ug/l	98
4) Vinyl Chloride	2.247	62	10743	4.954	ug/l	97
5) Bromomethane	2.649	94	9308	6.180	ug/l	96
6) Chloroethane	2.783	64	7815	5.678	ug/l	92
7) Trichlorofluoromethane	3.119	101	11533	4.540	ug/l	89
8) Diethyl Ether	3.515	74	4468	5.343	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	7569	4.675	ug/l	94
10) Methyl Iodide	4.094	142	8997	4.759	ug/l	96
11) Tert butyl alcohol	4.929	59	5759	46.473	ug/l	98
12) 1,1-Dichloroethene	3.863	96	8400	5.154	ug/l	90
13) Acrolein	3.716	56	4563	34.144	ug/l	95
14) Allyl chloride	4.472	41	11063	5.336	ug/l	98
15) Acrylonitrile	5.149	53	8956	27.849	ug/l	95
16) Acetone	3.936	43	6877	27.796	ug/l	94
17) Carbon Disulfide	4.192	76	23980	5.405	ug/l	96
18) Methyl Acetate	4.466	43	4196	5.954	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	18635	5.133	ug/l #	90
20) Methylene Chloride	4.704	84	17680	10.110	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	9421	5.453	ug/l #	86
22) Diisopropyl ether	6.118	45	23514	5.346	ug/l	95
23) Vinyl Acetate	6.057	43	68206	25.515	ug/l	100
24) 1,1-Dichloroethane	6.009	63	15011	5.541	ug/l	95
25) 2-Butanone	6.978	43	10801	27.311	ug/l	89
26) 2,2-Dichloropropane	6.972	77	12036	4.909	ug/l #	73
27) cis-1,2-Dichloroethene	6.978	96	10348	5.068	ug/l	97
28) Bromochloromethane	7.325	49	6773	6.255	ug/l	100
29) Tetrahydrofuran	7.344	42	7818	29.948	ug/l	92
30) Chloroform	7.502	83	14612	5.167	ug/l	90
31) Cyclohexane	7.783	56	14586	5.672	ug/l #	67
32) 1,1,1-Trichloroethane	7.697	97	12808	5.053	ug/l	99
36) 1,1-Dichloropropene	7.911	75	11435	4.958	ug/l	98
37) Ethyl Acetate	7.069	43	5429	5.593	ug/l #	76
38) Carbon Tetrachloride	7.892	117	10773	4.275	ug/l	94
39) Methylcyclohexane	9.179	83	14271	4.289	ug/l	92
40) Benzene	8.161	78	36286	4.892	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2739	4.887	ug/l #	79
42) 1,2-Dichloroethane	8.228	62	8135	5.040	ug/l	94
43) Isopropyl Acetate	8.270	43	9682	4.866	ug/l	99
44) Trichloroethene	8.941	130	9273	4.592	ug/l	95
45) 1,2-Dichloropropane	9.215	63	7775	4.794	ug/l	99
46) Dibromomethane	9.307	93	4433	4.755	ug/l	96
47) Bromodichloromethane	9.502	83	10736	4.658	ug/l #	92
48) Methyl methacrylate	9.295	41	3883	4.258	ug/l #	92
49) 1,4-Dioxane	9.307	88	1183	95.591	ug/l #	20
51) 4-Methyl-2-Pentanone	10.069	43	23592	23.592	ug/l	95
52) Toluene	10.239	92	22072	4.622	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	9449	4.389	ug/l	89
54) cis-1,3-Dichloropropene	9.929	75	11728	4.456	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	6245	4.876	ug/l	92
56) Ethyl methacrylate	10.514	69	7433	4.273	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	10267	4.925	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	17851	21.492	ug/l	96
59) 2-Hexanone	10.831	43	15599	22.310	ug/l	90
60) Dibromochloromethane	10.983	129	6883	4.142	ug/l	99
61) 1,2-Dibromoethane	11.087	107	5753	4.769	ug/l	97
64) Tetrachloroethene	10.721	164	8135	4.637	ug/l	92
65) Chlorobenzene	11.514	112	23581	4.394	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	7301	4.206	ug/l	99
67) Ethyl Benzene	11.593	91	40835	4.506	ug/l	97
68) m/p-Xylenes	11.703	106	31841	8.886	ug/l	98
69) o-Xylene	12.032	106	14974	4.354	ug/l	97
70) Styrene	12.044	104	24220	4.217	ug/l	99
71) Bromoform	12.209	173	3815	3.972	ug/l #	97
73) Isopropylbenzene	12.331	105	38580	4.595	ug/l	100
74) N-amyl acetate	12.148	43	7614	4.368	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	6548	4.889	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	4956m	5.529	ug/l	
77) Bromobenzene	12.605	156	8477	4.395	ug/l	97
78) n-propylbenzene	12.672	91	46654	4.777	ug/l	99
79) 2-Chlorotoluene	12.757	91	25779	4.750	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	30349	4.584	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	2254	4.845	ug/l	92
82) 4-Chlorotoluene	12.855	91	26035	4.776	ug/l	95
83) tert-Butylbenzene	13.074	119	28496	4.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	30500	4.703	ug/l	98
85) sec-Butylbenzene	13.251	105	40429	4.513	ug/l	100
86) p-Isopropyltoluene	13.373	119	33583	4.557	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	16427	4.410	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	17604	4.848	ug/l	94
89) n-Butylbenzene	13.696	91	29815	4.471	ug/l	97
90) Hexachloroethane	13.958	117	6312	4.366	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	15260	4.766	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	854	4.683	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	7061	3.923	ug/l	95
94) Hexachlorobutadiene	15.117	225	3982	4.009	ug/l	97
95) Naphthalene	15.239	128	12758	3.868	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	5871	3.974	ug/l	94

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

