

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016221.D
 Acq On : 03 Nov 2023 19:55
 Operator : SY/MD
 Sample : 04699-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Quant Time: Nov 04 00:15:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 04 00:14:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	151530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	254849	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	223538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	105767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	77324	54.534	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.060%			
35) Dibromofluoromethane	7.740	113	73513	48.385	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.760%			
50) Toluene-d8	10.197	98	294460	48.882	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.760%			
62) 4-Bromofluorobenzene	12.495	95	97804	47.481	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	1760	1.821	ug/l	94
3) Chloromethane	2.119	50	2735	2.044	ug/l	99
4) Vinyl Chloride	2.259	62	3299	2.388	ug/l	98
5) Bromomethane	2.668	94	2097	2.250	ug/l	92
6) Chloroethane	2.802	64	1834	1.886	ug/l	92
7) Trichlorofluoromethane	3.137	101	4451	2.134	ug/l	95
8) Diethyl Ether	3.552	74	1694	2.451	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.918	101	2598	1.978	ug/l #	83
10) Methyl Iodide	4.113	142	3005	2.057	ug/l	97
11) Tert butyl alcohol	4.978	59	2026	19.124	ug/l #	89
12) 1,1-Dichloroethene	3.893	96	2404	2.005	ug/l	83
13) Acrolein	3.759	56	819	7.709	ug/l	95
14) Allyl chloride	4.509	41	3773	2.200	ug/l	97
15) Acrylonitrile	5.186	53	3324	11.255	ug/l	98
16) Acetone	3.966	43	3784	14.445	ug/l	98
17) Carbon Disulfide	4.216	76	5118	1.710	ug/l	96
18) Methyl Acetate	4.503	43	3102	2.720	ug/l	92
19) Methyl tert-butyl Ether	5.240	73	7496	2.198	ug/l	94
20) Methylene Chloride	4.734	84	9846	6.098	ug/l #	81
21) trans-1,2-Dichloroethene	5.234	96	2876	2.059	ug/l #	79
22) Diisopropyl ether	6.143	45	8986	2.166	ug/l	95
23) Vinyl Acetate	6.082	43	20546	10.088	ug/l	96
24) 1,1-Dichloroethane	6.045	63	5449	2.195	ug/l	96
25) 2-Butanone	7.008	43	4277	10.933	ug/l	94
26) 2,2-Dichloropropane	6.996	77	4706	2.005	ug/l	96
27) cis-1,2-Dichloroethene	7.008	96	3598	2.189	ug/l	91
28) Bromochloromethane	7.362	49	2127	2.289	ug/l #	86
29) Tetrahydrofuran	7.368	42	2743	11.186	ug/l #	89
30) Chloroform	7.533	83	9018	3.336	ug/l	87
31) Cyclohexane	7.807	56	6464	2.966	ug/l #	51
32) 1,1,1-Trichloroethane	7.722	97	5057	2.040	ug/l	98
36) 1,1-Dichloropropene	7.941	75	4728	2.155	ug/l	93
37) Ethyl Acetate	7.094	43	2277	2.330	ug/l #	95
38) Carbon Tetrachloride	7.917	117	4364	2.008	ug/l	92
39) Methylcyclohexane	9.203	83	4514	1.724	ug/l #	88
40) Benzene	8.179	78	12903	2.049	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	903	1.592	ug/l	90
42) 1,2-Dichloroethane	8.258	62	4316	2.455	ug/l	94
43) Isopropyl Acetate	8.289	43	3975	2.057	ug/l #	90
44) Trichloroethene	8.959	130	3484	1.890	ug/l	97
45) 1,2-Dichloropropane	9.234	63	3187	2.103	ug/l #	86
46) Dibromomethane	9.325	93	1852	2.155	ug/l	95
47) Bromodichloromethane	9.514	83	5861	2.684	ug/l	89
48) Methyl methacrylate	9.313	41	1849	2.104	ug/l	93
49) 1,4-Dioxane	9.307	88	338	27.059	ug/l #	65
51) 4-Methyl-2-Pentanone	10.081	43	10722	11.117	ug/l	96
52) Toluene	10.258	92	9348	2.290	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	4534	2.080	ug/l	100
54) cis-1,3-Dichloropropene	9.947	75	5125	2.003	ug/l	94
55) 1,1,2-Trichloroethane	10.660	97	2773	2.294	ug/l	93
56) Ethyl methacrylate	10.526	69	3002	1.912	ug/l #	84
57) 1,3-Dichloropropane	10.807	76	4515	2.194	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.801	63	8607	11.304	ug/l	91
59) 2-Hexanone	10.849	43	6705	10.145	ug/l	88
60) Dibromochloromethane	11.002	129	3236	2.133	ug/l	95
61) 1,2-Dibromoethane	11.105	107	2357	2.050	ug/l	97
64) Tetrachloroethene	10.733	164	3731	1.876	ug/l	97
65) Chlorobenzene	11.532	112	9011	2.029	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.605	131	3319	2.018	ug/l	89
67) Ethyl Benzene	11.605	91	15627	1.967	ug/l	98
68) m/p-Xylenes	11.715	106	12204	3.976	ug/l	92
69) o-Xylene	12.044	106	5552	1.894	ug/l	93
70) Styrene	12.056	104	8629	1.771	ug/l	97
71) Bromoform	12.221	173	1844	2.021	ug/l #	95
73) Isopropylbenzene	12.343	105	14517	1.830	ug/l	99
74) N-amyl acetate	12.154	43	3018	1.750	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.593	83	2639	2.090	ug/l	95
76) 1,2,3-Trichloropropane	12.642	75	2238m	2.247	ug/l	
77) Bromobenzene	12.623	156	3718	2.070	ug/l	97
78) n-propylbenzene	12.684	91	17801	1.898	ug/l	97
79) 2-Chlorotoluene	12.770	91	10264	1.962	ug/l	97
80) 1,3,5-Trimethylbenzene	12.825	105	12047	1.874	ug/l	99
82) 4-Chlorotoluene	12.867	91	10583	1.970	ug/l	98
83) tert-Butylbenzene	13.087	119	10949	1.904	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	12064	1.897	ug/l	99
85) sec-Butylbenzene	13.263	105	15179	1.798	ug/l	98
86) p-Isopropyltoluene	13.379	119	12475	1.783	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	7351	2.069	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	7464	2.126	ug/l	85
89) n-Butylbenzene	13.709	91	11630	1.809	ug/l	99
90) Hexachloroethane	13.971	117	2448	2.030	ug/l	93
91) 1,2-Dichlorobenzene	13.751	146	6680	2.176	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.373	75	662	2.930	ug/l	75
93) 1,2,4-Trichlorobenzene	15.019	180	3877	2.046	ug/l	99
94) Hexachlorobutadiene	15.123	225	2285	2.207	ug/l	95
95) Naphthalene	15.245	128	7598	2.064	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	3407	2.105	ug/l	96

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

