

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013806.D
 Acq On : 18 May 2023 17:39
 Operator : KP/MD
 Sample : 02213-02 5.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 19 05:13:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 19 05:13:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	232796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	371859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	335446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	145653	53.860	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.720%			
35) Dibromofluoromethane	7.716	113	122262	51.272	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.540%			
50) Toluene-d8	10.179	98	453016	50.111	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.220%			
62) 4-Bromofluorobenzene	12.477	95	147837	49.234	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9807	5.867	ug/l	99
3) Chloromethane	2.113	50	13788	5.441	ug/l	95
4) Vinyl Chloride	2.247	62	13108	5.180	ug/l	98
5) Bromomethane	2.656	94	12363	5.510	ug/l	92
6) Chloroethane	2.796	64	8790	5.054	ug/l	97
7) Trichlorofluoromethane	3.131	101	22101	6.001	ug/l	93
8) Diethyl Ether	3.521	74	7071	5.738	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	11565	5.366	ug/l	94
10) Methyl Iodide	4.088	142	7957	3.360	ug/l	91
11) Tert butyl alcohol	4.930	59	18519	84.532	ug/l #	73
12) 1,1-Dichloroethene	3.875	96	11208	5.737	ug/l	93
13) Acrolein	3.723	56	8736	22.322	ug/l	96
14) Allyl chloride	4.473	41	19429	5.049	ug/l	96
15) Acrylonitrile	5.168	53	17602	24.358	ug/l	99
16) Acetone	3.954	43	20840	25.542	ug/l	92
17) Carbon Disulfide	4.192	76	33830	6.026	ug/l	95
18) Methyl Acetate	4.485	43	15656	5.504	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	29949	5.053	ug/l	95
20) Methylene Chloride	4.716	84	30260	9.821	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	11758	5.345	ug/l	92
22) Diisopropyl ether	6.112	45	37368	4.565	ug/l	88
23) Vinyl Acetate	6.058	43	102229	21.581	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	23167	5.177	ug/l	97
25) 2-Butanone	6.990	43	27357	25.793	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	22512	5.890	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	13920	5.370	ug/l	96
28) Bromochloromethane	7.332	49	8473	5.412	ug/l #	90
29) Tetrahydrofuran	7.350	42	14716	23.189	ug/l	97
30) Chloroform	7.509	83	25268	5.603	ug/l	100
31) Cyclohexane	7.783	56	22297	5.751	ug/l #	86
32) 1,1,1-Trichloroethane	7.704	97	21116	5.486	ug/l	98
36) 1,1-Dichloropropene	7.917	75	17187	5.216	ug/l	99
37) Ethyl Acetate	7.076	43	10463	4.617	ug/l	98
38) Carbon Tetrachloride	7.899	117	20616	5.931	ug/l	95
39) Methylcyclohexane	9.179	83	19193	5.125	ug/l	91
40) Benzene	8.155	78	51553	5.384	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	7338m	6.516	ug/l	
42) 1,2-Dichloroethane	8.234	62	18057	5.837	ug/l	99
43) Isopropyl Acetate	8.271	43	19514	4.744	ug/l	93
44) Trichloroethene	8.941	130	14929	5.965	ug/l	95
45) 1,2-Dichloropropane	9.216	63	13475	5.122	ug/l	98
46) Dibromomethane	9.307	93	7603	5.160	ug/l	93
47) Bromodichloromethane	9.496	83	19359	5.548	ug/l	93
48) Methyl methacrylate	9.295	41	8089	4.281	ug/l	90
49) 1,4-Dioxane	9.307	88	1594	88.141	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	49782	21.732	ug/l	98
52) Toluene	10.246	92	30743	5.296	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	18125	5.038	ug/l	90
54) cis-1,3-Dichloropropene	9.929	75	20516	5.111	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	10734	5.356	ug/l	95
56) Ethyl methacrylate	10.508	69	12399	4.636	ug/l	95
57) 1,3-Dichloropropane	10.788	76	17720	5.139	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	25937	26.768	ug/l	98
59) 2-Hexanone	10.831	43	34818	21.383	ug/l	96
60) Dibromochloromethane	10.984	129	13488	5.554	ug/l	99
61) 1,2-Dibromoethane	11.087	107	10138	5.364	ug/l	93
64) Tetrachloroethene	10.715	164	11818	5.554	ug/l	94
65) Chlorobenzene	11.514	112	34628	5.454	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	13391	5.428	ug/l	100
67) Ethyl Benzene	11.587	91	56049	4.968	ug/l	95
68) m/p-Xylenes	11.697	106	41891	9.913	ug/l	99
69) o-Xylene	12.026	106	19729	4.908	ug/l	98
70) Styrene	12.044	104	33397	4.892	ug/l	99
71) Bromoform	12.209	173	8595	5.274	ug/l #	99
73) Isopropylbenzene	12.325	105	51496	4.619	ug/l	98
74) N-amyl acetate	12.142	43	14478	3.826	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	12766	4.833	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	11354m	5.696	ug/l	
77) Bromobenzene	12.611	156	14227	5.290	ug/l	97
78) n-propylbenzene	12.666	91	65857	4.795	ug/l	97
79) 2-Chlorotoluene	12.752	91	38764	5.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	43730	4.810	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	3928	4.387	ug/l	93
82) 4-Chlorotoluene	12.855	91	39229	4.858	ug/l	97
83) tert-Butylbenzene	13.075	119	38447	4.856	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	42387	4.757	ug/l	98
85) sec-Butylbenzene	13.251	105	55886	4.678	ug/l	99
86) p-Isopropyltoluene	13.367	119	44784	4.643	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	27615	5.274	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	27396	5.203	ug/l	92
89) n-Butylbenzene	13.696	91	43237	4.572	ug/l	98
90) Hexachloroethane	13.959	117	10497	5.150	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	24557	5.267	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2053	4.797	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	12916	4.668	ug/l	99
94) Hexachlorobutadiene	15.111	225	9038	5.258	ug/l	95
95) Naphthalene	15.233	128	22126	4.029	ug/l	98
96) 1,2,3-Trichlorobenzene	15.416	180	11271	4.527	ug/l	97

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

