

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013931.D
 Acq On : 30 May 2023 19:48
 Operator : KP/MD
 Sample : 02852-17MSD
 Misc : 6.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-69.5-051823MSD

Quant Time: May 31 03:28:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	5865	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	9462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	7576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	4338	63.933	ug/l	-0.01
Spiked Amount 50.000	Range 50	- 163	Recovery	=	127.860%	
35) Dibromofluoromethane	7.716	113	3360	54.986	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	109.980%	
50) Toluene-d8	10.179	98	9922	42.722	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	85.440%	
62) 4-Bromofluorobenzene	12.483	95	2569	33.278	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	66.560%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	3207	59.695	ug/l	87
3) Chloromethane	2.119	50	4904	74.929	ug/l	96
4) Vinyl Chloride	2.260	62	3787	56.581	ug/l	98
5) Bromomethane	2.662	94	2895	54.429	ug/l	98
6) Chloroethane	2.802	64	2268	52.002	ug/l	94
7) Trichlorofluoromethane	3.131	101	6944	61.645	ug/l	95
8) Diethyl Ether	3.528	74	2015	58.320	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	3600	58.953	ug/l	98
10) Methyl Iodide	4.101	142	3102	42.789	ug/l	97
11) Tert butyl alcohol	4.930	59	2476	476.343	ug/l #	86
12) 1,1-Dichloroethene	3.881	96	3344	58.289	ug/l #	71
13) Acrolein	3.729	56	2220	283.934	ug/l	89
14) Allyl chloride	4.479	41	4054	38.707	ug/l	94
15) Acrylonitrile	5.155	53	5787	326.667	ug/l	95
16) Acetone	3.954	43	7064	350.771	ug/l	97
17) Carbon Disulfide	4.198	76	8594	50.186	ug/l	96
18) Methyl Acetate	4.479	43	5287	75.673	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	8891	56.789	ug/l #	86
20) Methylene Chloride	4.723	84	4904	69.679	ug/l #	86
21) trans-1,2-Dichloroethene	5.229	96	3448	55.289	ug/l #	81
22) Diisopropyl ether	6.106	45	8563	42.345	ug/l #	89
23) Vinyl Acetate	6.112	43	6578	55.849	ug/l #	74
24) 1,1-Dichloroethane	6.021	63	6770	57.346	ug/l	97
25) 2-Butanone	6.984	43	7634	310.657	ug/l	93
26) 2,2-Dichloropropane	6.978	77	3423	32.189	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	3654	52.158	ug/l	95
28) Bromochloromethane	7.332	49	1864	53.793	ug/l #	93
29) Tetrahydrofuran	7.344	42	5397	367.853	ug/l	98
30) Chloroform	7.502	83	6562	54.825	ug/l #	83
31) Cyclohexane	7.789	56	4954	47.520	ug/l #	80
32) 1,1,1-Trichloroethane	7.691	97	6376	58.394	ug/l	97
36) 1,1-Dichloropropene	7.911	75	4294	46.136	ug/l	96
37) Ethyl Acetate	7.076	43	3094	54.498	ug/l #	87
38) Carbon Tetrachloride	7.899	117	4813	45.472	ug/l	98
39) Methylcyclohexane	9.179	83	4556	41.799	ug/l	98
40) Benzene	8.155	78	12914	48.309	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	1985m	64.081	ug/l	
42) 1,2-Dichloroethane	8.240	62	4942	56.463	ug/l	98
43) Isopropyl Acetate	8.283	43	5872	56.758	ug/l #	83
44) Trichloroethene	8.941	130	3901	54.165	ug/l	85
45) 1,2-Dichloropropane	9.216	63	3404	49.707	ug/l	96
46) Dibromomethane	9.307	93	2292	58.440	ug/l	93
47) Bromodichloromethane	9.496	83	4963	51.926	ug/l #	96
48) Methyl methacrylate	9.295	41	1987	40.901	ug/l #	75
49) 1,4-Dioxane	9.295	88	708	1536.021	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	14099	255.724	ug/l	97
52) Toluene	10.240	92	7176	44.027	ug/l	86
53) t-1,3-Dichloropropene	10.465	75	1715	17.627	ug/l	89
54) cis-1,3-Dichloropropene	9.929	75	2724	24.992	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	3013	57.103	ug/l	89
56) Ethyl methacrylate	10.514	69	2834	40.237	ug/l	93
57) 1,3-Dichloropropane	10.788	76	4630	51.524	ug/l	98
59) 2-Hexanone	10.831	43	8875	226.303	ug/l	93
60) Dibromochloromethane	10.990	129	3571	53.502	ug/l	96
61) 1,2-Dibromoethane	11.093	107	2191	43.651	ug/l	99
64) Tetrachloroethene	10.721	164	4230	75.462	ug/l #	86
65) Chlorobenzene	11.514	112	6744	42.473	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.593	131	3227	52.657	ug/l	95
67) Ethyl Benzene	11.593	91	10765	37.674	ug/l	95
68) m/p-Xylenes	11.703	106	7822	72.334	ug/l	100
69) o-Xylene	12.026	106	3905	38.337	ug/l	94
70) Styrene	12.044	104	5839	33.841	ug/l	95
71) Bromoform	12.209	173	2057	51.355	ug/l #	96
73) Isopropylbenzene	12.331	105	10001	49.328	ug/l	97
74) N-amyl acetate	12.148	43	2227	36.534	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	2951	70.312	ug/l	91
76) 1,2,3-Trichloropropane	12.630	75	2133m	66.408	ug/l	
77) Bromobenzene	12.611	156	2913	58.556	ug/l	86
78) n-propylbenzene	12.672	91	11807	47.139	ug/l	99
79) 2-Chlorotoluene	12.758	91	6624	47.346	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	6902	41.241	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.331	75	213	14.395	ug/l #	39
82) 4-Chlorotoluene	12.855	91	6470	44.742	ug/l	98
83) tert-Butylbenzene	13.075	119	6386	43.812	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	6336	38.569	ug/l	99
85) sec-Butylbenzene	13.251	105	9544	44.079	ug/l	97
86) p-Isopropyltoluene	13.367	119	6536	36.522	ug/l	94
87) 1,3-Dichlorobenzene	13.367	146	4356	45.336	ug/l	95
88) 1,4-Dichlorobenzene	13.453	146	3509	36.683	ug/l	90
89) n-Butylbenzene	13.697	91	5260	30.650	ug/l	97
90) Hexachloroethane	13.959	117	1139	30.999	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	3591	42.054	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	259	35.223	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	563	10.635	ug/l	86
94) Hexachlorobutadiene	15.105	225	749	22.440	ug/l	88
95) Naphthalene	15.239	128	1299	14.706	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.416	180	199	4.227	ug/l #	1

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

