

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013952.D
 Acq On : 31 May 2023 21:39
 Operator : KP/MD
 Sample : 02852-16MS
 Misc : 6.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jun 01 03:32:29 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 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	193855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	296980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	275908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	120526	53.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.480%			
35) Dibromofluoromethane	7.728	113	97965	51.079	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.160%			
50) Toluene-d8	10.185	98	361717	49.623	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.483	95	124563	51.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	69951	39.394	ug/l	97
3) Chloromethane	2.113	50	81094	37.487	ug/l	100
4) Vinyl Chloride	2.253	62	84058	37.996	ug/l	99
5) Bromomethane	2.655	94	69806	39.707	ug/l	94
6) Chloroethane	2.796	64	55168	38.270	ug/l	99
7) Trichlorofluoromethane	3.131	101	145883	39.181	ug/l	97
8) Diethyl Ether	3.533	74	44469	38.939	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	77362	38.329	ug/l	99
10) Methyl Iodide	4.100	142	67918	28.344	ug/l	97
11) Tert butyl alcohol	4.984	59	46574	271.084	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	73557	38.791	ug/l	99
13) Acrolein	3.741	56	76274	295.142	ug/l	98
14) Allyl chloride	4.484	41	103457	29.885	ug/l	96
15) Acrylonitrile	5.173	53	143051	244.306	ug/l	100
16) Acetone	3.966	43	128994	193.791	ug/l	100
17) Carbon Disulfide	4.198	76	242156	42.783	ug/l	99
18) Methyl Acetate	4.484	43	117182	50.744	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	207335	40.066	ug/l	98
20) Methylene Chloride	4.722	84	100285	42.089	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	78686	38.173	ug/l	89
22) Diisopropyl ether	6.130	45	254501	38.076	ug/l	98
23) Vinyl Acetate	6.069	43	741321	190.423	ug/l	100
24) 1,1-Dichloroethane	6.027	63	145775	37.358	ug/l	99
25) 2-Butanone	6.996	43	187702	231.094	ug/l	99
26) 2,2-Dichloropropane	6.990	77	121934	34.691	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	86855	37.509	ug/l	100
28) Bromochloromethane	7.344	49	51029	44.554	ug/l	97
29) Tetrahydrofuran	7.356	42	129888	267.844	ug/l	99
30) Chloroform	7.514	83	157957	39.927	ug/l	99
31) Cyclohexane	7.789	56	121342	35.215	ug/l	96
32) 1,1,1-Trichloroethane	7.709	97	141785	39.286	ug/l	100
36) 1,1-Dichloropropene	7.923	75	111840	38.285	ug/l	100
37) Ethyl Acetate	7.082	43	89109	50.008	ug/l	98
38) Carbon Tetrachloride	7.911	117	122440	36.856	ug/l	97
39) Methylcyclohexane	9.191	83	120432	35.203	ug/l	96
40) Benzene	8.167	78	320515	38.200	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	46651m	47.983	ug/l	
42) 1,2-Dichloroethane	8.240	62	112346	40.896	ug/l	99
43) Isopropyl Acetate	8.276	43	144217	44.413	ug/l	99
44) Trichloroethene	8.947	130	85719	37.921	ug/l	98
45) 1,2-Dichloropropane	9.221	63	83455	38.827	ug/l	93
46) Dibromomethane	9.307	93	51625	41.938	ug/l	99
47) Bromodichloromethane	9.502	83	111714	37.239	ug/l	95
48) Methyl methacrylate	9.295	41	68019	44.609	ug/l	96
49) 1,4-Dioxane	9.319	88	16055	1109.762	ug/l #	88
51) 4-Methyl-2-Pentanone	10.075	43	444607	256.930	ug/l	98
52) Toluene	10.246	92	202242	39.533	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	110207	36.090	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	116248	33.981	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	71345	43.081	ug/l	94
56) Ethyl methacrylate	10.514	69	94035	42.537	ug/l	99
57) 1,3-Dichloropropane	10.794	76	117000	41.483	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	154756	219.395	ug/l	99
59) 2-Hexanone	10.837	43	317593	258.017	ug/l	100
60) Dibromochloromethane	10.989	129	80608	38.478	ug/l	100
61) 1,2-Dibromoethane	11.093	107	68306	43.357	ug/l	100
64) Tetrachloroethene	10.721	164	78888	38.643	ug/l	91
65) Chlorobenzene	11.520	112	214393	37.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	83542	37.431	ug/l	99
67) Ethyl Benzene	11.599	91	380897	36.602	ug/l	99
68) m/p-Xylenes	11.703	106	292456	74.261	ug/l	100
69) o-Xylene	12.032	106	135230	36.454	ug/l	99
70) Styrene	12.050	104	232883	37.061	ug/l	99
71) Bromoform	12.209	173	56230	38.547	ug/l #	100
73) Isopropylbenzene	12.331	105	367236	35.258	ug/l	99
74) N-amyl acetate	12.148	43	124181	39.656	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	93742	43.477	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	77193m	46.782	ug/l	
77) Bromobenzene	12.611	156	91019	35.615	ug/l	98
78) n-propylbenzene	12.672	91	447463	34.775	ug/l	100
79) 2-Chlorotoluene	12.757	91	255641	35.568	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	309259	35.971	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	25583	33.655	ug/l	99
82) 4-Chlorotoluene	12.855	91	263912	35.526	ug/l	97
83) tert-Butylbenzene	13.074	119	256517	34.257	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	301573	35.734	ug/l	100
85) sec-Butylbenzene	13.257	105	385621	34.668	ug/l	99
86) p-Isopropyltoluene	13.373	119	316885	34.468	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	173521	35.154	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	172622	35.127	ug/l	99
89) n-Butylbenzene	13.696	91	290124	32.908	ug/l	98
90) Hexachloroethane	13.964	117	60530	32.067	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	160243	36.529	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19085	50.523	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	88846	32.670	ug/l	99
94) Hexachlorobutadiene	15.111	225	47504	27.704	ug/l	99
95) Naphthalene	15.239	128	206329	35.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	78865	32.610	ug/l	100

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

