

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013930.D
 Acq On : 30 May 2023 19:25
 Operator : KP/MD
 Sample : 02852-16MS
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: May 31 03:28:29 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 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	56676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	81362	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	75325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	36162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	36409	55.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.060%			
35) Dibromofluoromethane	7.716	113	28609	54.448	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.900%			
50) Toluene-d8	10.179	98	101948	51.050	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.100%			
62) 4-Bromofluorobenzene	12.483	95	31830	47.950	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29129	56.109	ug/l	95
3) Chloromethane	2.113	50	30631	48.431	ug/l	97
4) Vinyl Chloride	2.253	62	32406	50.103	ug/l	98
5) Bromomethane	2.650	94	23711	46.132	ug/l	96
6) Chloroethane	2.796	64	19628	46.571	ug/l	94
7) Trichlorofluoromethane	3.131	101	56873	52.247	ug/l	98
8) Diethyl Ether	3.533	74	15239	45.642	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	30500	51.686	ug/l	99
10) Methyl Iodide	4.088	142	15157	21.636	ug/l	98
11) Tert butyl alcohol	4.942	59	25435	506.372	ug/l	100
12) 1,1-Dichloroethene	3.875	96	26808	48.356	ug/l	97
13) Acrolein	3.729	56	23185	306.860	ug/l	95
14) Allyl chloride	4.478	41	33180	32.783	ug/l	91
15) Acrylonitrile	5.155	53	61505	359.278	ug/l	100
16) Acetone	3.948	43	63597	326.797	ug/l	97
17) Carbon Disulfide	4.192	76	97587	58.972	ug/l	99
18) Methyl Acetate	4.472	43	48315	71.562	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	71368	47.172	ug/l	98
20) Methylene Chloride	4.716	84	34613	50.171	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	27075	44.927	ug/l	96
22) Diisopropyl ether	6.118	45	82412	42.173	ug/l	96
23) Vinyl Acetate	6.057	43	278183	244.411	ug/l	98
24) 1,1-Dichloroethane	6.015	63	50007	43.834	ug/l	99
25) 2-Butanone	6.984	43	87359	367.880	ug/l	96
26) 2,2-Dichloropropane	6.978	77	45011	43.801	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	29066	42.934	ug/l	97
28) Bromochloromethane	7.332	49	14951	44.650	ug/l	97
29) Tetrahydrofuran	7.344	42	57298	404.138	ug/l	99
30) Chloroform	7.508	83	53485	46.243	ug/l	97
31) Cyclohexane	7.789	56	43674	43.353	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	50304	47.675	ug/l	97
36) 1,1-Dichloropropene	7.917	75	39940	49.905	ug/l	99
37) Ethyl Acetate	7.076	43	35376	72.465	ug/l	99
38) Carbon Tetrachloride	7.899	117	46933	51.567	ug/l	98
39) Methylcyclohexane	9.185	83	38291	40.854	ug/l	97
40) Benzene	8.161	78	109823	47.777	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	15207m	57.092	ug/l	
42) 1,2-Dichloroethane	8.240	62	39990	53.135	ug/l	99
43) Isopropyl Acetate	8.270	43	57223	64.324	ug/l	99
44) Trichloroethene	8.941	130	29354	47.399	ug/l	99
45) 1,2-Dichloropropane	9.215	63	28029	47.599	ug/l	99
46) Dibromomethane	9.307	93	19448	57.667	ug/l	97
47) Bromodichloromethane	9.496	83	39314	47.835	ug/l	100
48) Methyl methacrylate	9.289	41	25247	60.438	ug/l	92
49) 1,4-Dioxane	9.295	88	7698	1942.241	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	176627	372.565	ug/l	100
52) Toluene	10.240	92	66199	47.233	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	39115	46.755	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	40041	42.723	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	25724	56.697	ug/l	96
56) Ethyl methacrylate	10.508	69	33332	55.036	ug/l	97
57) 1,3-Dichloropropane	10.788	76	41928	54.261	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	50183	259.682	ug/l	98
59) 2-Hexanone	10.831	43	128496	381.041	ug/l	98
60) Dibromochloromethane	10.983	129	28464	49.595	ug/l	98
61) 1,2-Dibromoethane	11.087	107	25019	57.967	ug/l	100
64) Tetrachloroethene	10.721	164	26860	48.194	ug/l	94
65) Chlorobenzene	11.514	112	68292	43.258	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	27443	45.039	ug/l	98
67) Ethyl Benzene	11.593	91	116425	40.980	ug/l	97
68) m/p-Xylenes	11.703	106	90851	84.500	ug/l	99
69) o-Xylene	12.032	106	41486	40.964	ug/l	99
70) Styrene	12.044	104	69542	40.537	ug/l	99
71) Bromoform	12.209	173	21015	52.769	ug/l #	98
73) Isopropylbenzene	12.331	105	113303	42.096	ug/l	100
74) N-amyl acetate	12.142	43	43531	53.794	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	34466	61.859	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	27150m	63.673	ug/l	
77) Bromobenzene	12.611	156	29643	44.885	ug/l	96
78) n-propylbenzene	12.672	91	132931	39.978	ug/l	99
79) 2-Chlorotoluene	12.757	91	76237	41.047	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	87002	39.160	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	10364	52.760	ug/l	98
82) 4-Chlorotoluene	12.855	91	78375	40.827	ug/l	98
83) tert-Butylbenzene	13.074	119	75609	39.074	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	85153	39.046	ug/l	100
85) sec-Butylbenzene	13.251	105	107409	37.367	ug/l	98
86) p-Isopropyltoluene	13.367	119	83583	35.182	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	52012	40.776	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	50308	39.616	ug/l	96
89) n-Butylbenzene	13.696	91	69543	30.525	ug/l	98
90) Hexachloroethane	13.958	117	17572	36.024	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	47449	41.857	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6233	63.853	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	18241	25.956	ug/l	99
94) Hexachlorobutadiene	15.111	225	8416	18.993	ug/l	97
95) Naphthalene	15.239	128	49557	33.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	16660	26.658	ug/l	99

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

