

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052323\
 Data File : VY013836.D
 Acq On : 23 May 2023 17:09
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY052323

Quant Time: May 24 05:29:32 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 05/24/2023
 Supervised By :Mahesh Dadoda 05/24/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	261154	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	394900	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	344228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	166759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	150332	49.757	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.520%		
35) Dibromofluoromethane	7.710	113	130669	51.237	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.480%		
50) Toluene-d8	10.179	98	471553	48.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.300%		
62) 4-Bromofluorobenzene	12.483	95	161881	50.244	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	132692	55.470	ug/l	98
3) Chloromethane	2.107	50	163116	55.971	ug/l	98
4) Vinyl Chloride	2.247	62	167984	56.365	ug/l	97
5) Bromomethane	2.650	94	120068	50.697	ug/l	97
6) Chloroethane	2.790	64	102937	53.005	ug/l	99
7) Trichlorofluoromethane	3.125	101	263672	52.568	ug/l	99
8) Diethyl Ether	3.528	74	79695	51.801	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	144175	53.023	ug/l	97
10) Methyl Iodide	4.089	142	177528	54.995	ug/l	99
11) Tert butyl alcohol	4.954	59	59645	257.700	ug/l #	85
12) 1,1-Dichloroethene	3.869	96	136302	53.357	ug/l	92
13) Acrolein	3.723	56	78873	226.550	ug/l	99
14) Allyl chloride	4.473	41	251277	53.880	ug/l	99
15) Acrylonitrile	5.155	53	212207	269.019	ug/l	99
16) Acetone	3.942	43	250648	279.517	ug/l	99
17) Carbon Disulfide	4.192	76	443162	58.119	ug/l	98
18) Methyl Acetate	4.467	43	163473	52.547	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	376073	53.946	ug/l	100
20) Methylene Chloride	4.704	84	167748	52.907	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	150567	54.222	ug/l	97
22) Diisopropyl ether	6.113	45	499532	55.476	ug/l	96
23) Vinyl Acetate	6.052	43	1490141	284.132	ug/l	98
24) 1,1-Dichloroethane	6.009	63	282091	53.663	ug/l	99
25) 2-Butanone	6.978	43	314460	287.386	ug/l	96
26) 2,2-Dichloropropane	6.972	77	253929	53.627	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	168141	53.901	ug/l	98
28) Bromochloromethane	7.332	49	74943	48.571	ug/l	97
29) Tetrahydrofuran	7.344	42	187653	287.242	ug/l	98
30) Chloroform	7.496	83	284845	53.447	ug/l	96
31) Cyclohexane	7.783	56	255274	54.992	ug/l	96
32) 1,1,1-Trichloroethane	7.698	97	257953	53.055	ug/l	99
36) 1,1-Dichloropropene	7.911	75	217274	55.935	ug/l	99
37) Ethyl Acetate	7.064	43	131272	55.402	ug/l	99
38) Carbon Tetrachloride	7.899	117	236066	53.439	ug/l	98
39) Methylcyclohexane	9.179	83	256751	56.440	ug/l	98
40) Benzene	8.155	78	613413	54.981	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	55048	42.580	ug/l	90
42) 1,2-Dichloroethane	8.234	62	192827	52.787	ug/l	100
43) Isopropyl Acetate	8.265	43	237763	55.066	ug/l	99
44) Trichloroethene	8.941	130	158124	52.606	ug/l	98
45) 1,2-Dichloropropane	9.216	63	152201	53.253	ug/l	97
46) Dibromomethane	9.301	93	86310	52.729	ug/l	99
47) Bromodichloromethane	9.490	83	206400	51.742	ug/l	98
48) Methyl methacrylate	9.289	41	112681	55.576	ug/l	99
49) 1,4-Dioxane	9.301	88	20979	1090.547	ug/l #	99
51) 4-Methyl-2-Pentanone	10.069	43	631745	274.550	ug/l	99
52) Toluene	10.240	92	362897	53.347	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	213829	52.661	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	241958	53.190	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	115610	52.499	ug/l	98
56) Ethyl methacrylate	10.508	69	161976	55.102	ug/l	98
57) 1,3-Dichloropropane	10.789	76	197057	52.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	210494	224.419	ug/l	99
59) 2-Hexanone	10.831	43	464838	284.000	ug/l	100
60) Dibromochloromethane	10.984	129	144232	51.777	ug/l	100
61) 1,2-Dibromoethane	11.087	107	112157	53.539	ug/l	100
64) Tetrachloroethene	10.722	164	133050	52.239	ug/l	97
65) Chlorobenzene	11.514	112	383743	53.190	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	146462	52.599	ug/l	99
67) Ethyl Benzene	11.593	91	708920	54.603	ug/l	100
68) m/p-Xylenes	11.703	106	536201	109.131	ug/l	99
69) o-Xylene	12.026	106	251016	54.236	ug/l	100
70) Styrene	12.044	104	422033	53.832	ug/l	98
71) Bromoform	12.209	173	94378	51.858	ug/l	98
73) Isopropylbenzene	12.331	105	669168	53.914	ug/l	99
74) N-amyl acetate	12.142	43	208239	55.804	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	136902	53.283	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	103872m	52.826	ug/l	
77) Bromobenzene	12.605	156	157785	51.810	ug/l	98
78) n-propylbenzene	12.672	91	834373	54.415	ug/l	100
79) 2-Chlorotoluene	12.758	91	456060	53.248	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	553933	54.067	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	49538	54.687	ug/l	98
82) 4-Chlorotoluene	12.855	91	473328	53.468	ug/l	98
83) tert-Butylbenzene	13.075	119	480603	53.860	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	541247	53.819	ug/l	100
85) sec-Butylbenzene	13.252	105	711853	53.704	ug/l	99
86) p-Isopropyltoluene	13.367	119	596706	54.466	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	302047	51.350	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	301900	51.553	ug/l	98
89) n-Butylbenzene	13.697	91	574110	54.646	ug/l	99
90) Hexachloroethane	13.959	117	116035	51.585	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	269005	51.460	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23448	52.090	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	172594	53.258	ug/l	99
94) Hexachlorobutadiene	15.111	225	107529	52.624	ug/l	99
95) Naphthalene	15.233	128	342184	48.254	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	152448	52.898	ug/l	99

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

