

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013793.D
 Acq On : 18 May 2023 11:55
 Operator : KP/MD
 Sample : VY0518SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0518SBS01

Quant Time: May 19 03:20:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 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	250642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	398073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	355584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	148093	50.863	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.720%			
35) Dibromofluoromethane	7.722	113	125776	49.272	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.540%			
50) Toluene-d8	10.179	98	486229	50.243	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.480%			
62) 4-Bromofluorobenzene	12.483	95	161206	50.151	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36748	20.420	ug/l	99
3) Chloromethane	2.113	50	52691	19.313	ug/l	99
4) Vinyl Chloride	2.253	62	51752	18.997	ug/l	100
5) Bromomethane	2.650	94	46214	19.130	ug/l	99
6) Chloroethane	2.796	64	35880	19.161	ug/l	95
7) Trichlorofluoromethane	3.125	101	85091	21.461	ug/l	93
8) Diethyl Ether	3.528	74	27423	20.670	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	48108	20.732	ug/l	97
10) Methyl Iodide	4.095	142	46178	18.113	ug/l	96
11) Tert butyl alcohol	4.942	59	37784	160.189	ug/l #	73
12) 1,1-Dichloroethene	3.875	96	43501	20.682	ug/l	94
13) Acrolein	3.735	56	40039	95.020	ug/l	99
14) Allyl chloride	4.479	41	83208	20.082	ug/l	97
15) Acrylonitrile	5.168	53	74019	95.135	ug/l	99
16) Acetone	3.954	43	83591	95.157	ug/l	100
17) Carbon Disulfide	4.198	76	121156	20.046	ug/l	99
18) Methyl Acetate	4.485	43	58373	19.060	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	124144	19.454	ug/l	97
20) Methylene Chloride	4.716	84	71553	23.803	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	47569	20.085	ug/l	94
22) Diisopropyl ether	6.119	45	176612	20.039	ug/l	96
23) Vinyl Acetate	6.064	43	483148	94.735	ug/l	100
24) 1,1-Dichloroethane	6.021	63	98352	20.414	ug/l	99
25) 2-Butanone	6.990	43	107990	94.567	ug/l	95
26) 2,2-Dichloropropane	6.978	77	87793	21.333	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	55276	19.807	ug/l	95
28) Bromochloromethane	7.338	49	34134	20.249	ug/l	96
29) Tetrahydrofuran	7.356	42	62291	91.165	ug/l	100
30) Chloroform	7.509	83	99818	20.560	ug/l	97
31) Cyclohexane	7.789	56	78932	18.908	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	87449	21.101	ug/l	99
36) 1,1-Dichloropropene	7.923	75	70318	19.937	ug/l	99
37) Ethyl Acetate	7.076	43	44477	18.333	ug/l	99
38) Carbon Tetrachloride	7.899	117	78600	21.124	ug/l	95
39) Methylcyclohexane	9.185	83	75307	18.785	ug/l	95
40) Benzene	8.161	78	205821	20.081	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	24323	20.175	ug/l #	82
42) 1,2-Dichloroethane	8.240	62	69056	20.852	ug/l	99
43) Isopropyl Acetate	8.277	43	82351	18.701	ug/l	98
44) Trichloroethene	8.941	130	53409	19.933	ug/l	93
45) 1,2-Dichloropropane	9.216	63	55274	19.625	ug/l	98
46) Dibromomethane	9.307	93	31178	19.766	ug/l	99
47) Bromodichloromethane	9.496	83	76350	20.439	ug/l	100
48) Methyl methacrylate	9.295	41	36888	18.236	ug/l	97
49) 1,4-Dioxane	9.319	88	7096	366.538	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	226807	92.492	ug/l	99
52) Toluene	10.246	92	126982	20.436	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	75669	19.646	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	85173	19.820	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	42463	19.793	ug/l	97
56) Ethyl methacrylate	10.508	69	54149	18.913	ug/l	96
57) 1,3-Dichloropropane	10.788	76	71704	19.427	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	103044	99.341	ug/l	96
59) 2-Hexanone	10.831	43	163063	93.550	ug/l	98
60) Dibromochloromethane	10.984	129	52153	20.062	ug/l	99
61) 1,2-Dibromoethane	11.087	107	39908	19.727	ug/l	99
64) Tetrachloroethene	10.721	164	45087	19.988	ug/l	99
65) Chlorobenzene	11.514	112	137236	20.391	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	53444	20.436	ug/l	99
67) Ethyl Benzene	11.593	91	239834	20.053	ug/l	98
68) m/p-Xylenes	11.703	106	182570	40.757	ug/l	99
69) o-Xylene	12.032	106	86440	20.285	ug/l	100
70) Styrene	12.044	104	147459	20.375	ug/l	99
71) Bromoform	12.209	173	34627	20.043	ug/l #	95
73) Isopropylbenzene	12.331	105	230367	19.888	ug/l	99
74) N-amyl acetate	12.142	43	72418	18.423	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	52436	19.110	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	39578m	19.113	ug/l	
77) Bromobenzene	12.611	156	56202	20.114	ug/l	98
78) n-propylbenzene	12.672	91	290253	20.342	ug/l	99
79) 2-Chlorotoluene	12.758	91	163066	20.250	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	191864	20.314	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	17281	18.580	ug/l	96
82) 4-Chlorotoluene	12.855	91	169147	20.164	ug/l	100
83) tert-Butylbenzene	13.075	119	167402	20.353	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	190296	20.557	ug/l	100
85) sec-Butylbenzene	13.251	105	254431	20.502	ug/l	100
86) p-Isopropyltoluene	13.367	119	204260	20.383	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	111200	20.443	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	109378	19.997	ug/l	96
89) n-Butylbenzene	13.696	91	195307	19.879	ug/l	100
90) Hexachloroethane	13.959	117	42444	20.043	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	100349	20.717	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8401	18.896	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	58624	20.395	ug/l	99
94) Hexachlorobutadiene	15.111	225	37814	21.177	ug/l	99
95) Naphthalene	15.239	128	105419	18.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	51992	20.104	ug/l	99

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

