

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013728.D
 Acq On : 15 May 2023 11:45
 Operator : KP/MD
 Sample : VY0515SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/16/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 15 15:38:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	224119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	344805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	310565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	128877	52.456	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.920%			
35) Dibromofluoromethane	7.722	113	119343	55.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.060%			
50) Toluene-d8	10.179	98	389432	50.478	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.960%			
62) 4-Bromofluorobenzene	12.483	95	147661	56.774	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	46556	21.850	ug/l	97
3) Chloromethane	2.113	50	59174	20.719	ug/l	97
4) Vinyl Chloride	2.253	62	59953	21.083	ug/l	99
5) Bromomethane	2.656	94	52819	23.308	ug/l	95
6) Chloroethane	2.790	64	40678	20.706	ug/l	92
7) Trichlorofluoromethane	3.131	101	100888	23.419	ug/l	99
8) Diethyl Ether	3.528	74	33184	22.620	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	55962	23.159	ug/l	97
10) Methyl Iodide	4.095	142	60909	20.069	ug/l	98
11) Tert butyl alcohol	4.979	59	29303m	106.267	ug/l	
12) 1,1-Dichloroethene	3.875	96	51938	22.298	ug/l	93
13) Acrolein	3.729	56	19622	85.585	ug/l	97
14) Allyl chloride	4.485	41	94970	21.974	ug/l	97
15) Acrylonitrile	5.168	53	90635	110.319	ug/l	99
16) Acetone	3.960	43	101427	104.831	ug/l	93
17) Carbon Disulfide	4.198	76	150364	19.873	ug/l	97
18) Methyl Acetate	4.485	43	69695	21.810	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	152367	22.659	ug/l	97
20) Methylene Chloride	4.716	84	88849	25.320	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	56714	22.269	ug/l	95
22) Diisopropyl ether	6.119	45	197407	23.369	ug/l	94
23) Vinyl Acetate	6.064	43	580190	121.305	ug/l	95
24) 1,1-Dichloroethane	6.021	63	110135	23.393	ug/l	100
25) 2-Butanone	6.990	43	130870	106.655	ug/l	94
26) 2,2-Dichloropropane	6.984	77	97759	24.097	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	66534	23.645	ug/l	98
28) Bromochloromethane	7.338	49	38822	23.237	ug/l	83
29) Tetrahydrofuran	7.350	42	77121	100.970	ug/l	92
30) Chloroform	7.509	83	115505	24.675	ug/l	99
31) Cyclohexane	7.789	56	92665	21.066	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	99107	23.726	ug/l	98
36) 1,1-Dichloropropene	7.917	75	82879	23.027	ug/l	97
37) Ethyl Acetate	7.076	43	55726	20.574	ug/l	98
38) Carbon Tetrachloride	7.905	117	91076	24.143	ug/l	94
39) Methylcyclohexane	9.185	83	91351	21.529	ug/l	91
40) Benzene	8.161	78	239007	23.574	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	34030m	26.962	ug/l	
42) 1,2-Dichloroethane	8.240	62	80110	24.169	ug/l	98
43) Isopropyl Acetate	8.277	43	98264	21.494	ug/l	97
44) Trichloroethene	8.941	130	64509	23.920	ug/l	100
45) 1,2-Dichloropropane	9.216	63	63349	23.897	ug/l	96
46) Dibromomethane	9.307	93	36868	23.244	ug/l	97
47) Bromodichloromethane	9.496	83	87442	24.638	ug/l	98
48) Methyl methacrylate	9.295	41	46758	22.270	ug/l	92
49) 1,4-Dioxane	9.307	88	9702	428.287	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	275209	108.028	ug/l	96
52) Toluene	10.240	92	147474	24.172	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	88368	23.526	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	97530	23.075	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	50260	23.928	ug/l	96
56) Ethyl methacrylate	10.508	69	66252	22.735	ug/l	93
57) 1,3-Dichloropropane	10.788	76	84817	23.843	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	123031	112.589	ug/l	93
59) 2-Hexanone	10.831	43	199081	107.503	ug/l	95
60) Dibromochloromethane	10.984	129	60603	23.762	ug/l	98
61) 1,2-Dibromoethane	11.087	107	47516	23.009	ug/l	99
64) Tetrachloroethene	10.721	164	54836	23.220	ug/l	98
65) Chlorobenzene	11.514	112	156190	23.087	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.587	131	62329	24.634	ug/l	99
67) Ethyl Benzene	11.593	91	277498	23.359	ug/l	99
68) m/p-Xylenes	11.703	106	212436	47.039	ug/l	97
69) o-Xylene	12.026	106	99117	23.206	ug/l	96
70) Styrene	12.044	104	167277	23.423	ug/l	98
71) Bromoform	12.209	173	41279	23.292	ug/l #	100
73) Isopropylbenzene	12.331	105	266338	22.381	ug/l	98
74) N-amyl acetate	12.142	43	87654	20.698	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	62667	21.544	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	46351m	21.845	ug/l	
77) Bromobenzene	12.605	156	66772	23.157	ug/l	94
78) n-propylbenzene	12.672	91	332413	22.678	ug/l	97
79) 2-Chlorotoluene	12.758	91	186593	22.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	223853	23.047	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	21860	21.074	ug/l	97
82) 4-Chlorotoluene	12.855	91	196083	22.983	ug/l	97
83) tert-Butylbenzene	13.075	119	191763	22.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	219646	23.260	ug/l	100
85) sec-Butylbenzene	13.251	105	286923	22.719	ug/l	100
86) p-Isopropyltoluene	13.367	119	238594	23.493	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	126139	22.961	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	128585	23.171	ug/l	98
89) n-Butylbenzene	13.696	91	226627	22.863	ug/l	98
90) Hexachloroethane	13.959	117	47781	22.354	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	115431	23.269	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10599	20.632	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	70193	23.733	ug/l	98
94) Hexachlorobutadiene	15.111	225	43737	25.409	ug/l	99
95) Naphthalene	15.233	128	136507	21.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	61960	23.504	ug/l	97

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

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