

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013752.D
 Acq On : 16 May 2023 12:21
 Operator : KP/MD
 Sample : VY0516SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS01

Quant Time: May 17 07:43:47 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	193116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	294952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	267697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	120387	56.867	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.740%			
35) Dibromofluoromethane	7.716	113	109477	59.014	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.020%			
50) Toluene-d8	10.179	98	356536	54.026	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.060%			
62) 4-Bromofluorobenzene	12.483	95	138920	62.441	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 124.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	42340	23.062	ug/l	90
3) Chloromethane	2.113	50	58586	23.806	ug/l	97
4) Vinyl Chloride	2.253	62	57641	23.524	ug/l	100
5) Bromomethane	2.650	94	51341	26.293	ug/l	98
6) Chloroethane	2.790	64	40224	23.762	ug/l	97
7) Trichlorofluoromethane	3.125	101	95687	25.778	ug/l	100
8) Diethyl Ether	3.527	74	29595	23.413	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	53033	25.471	ug/l	95
10) Methyl Iodide	4.088	142	52196	19.959	ug/l	97
11) Tert butyl alcohol	4.966	59	27818	117.012	ug/l #	97
12) 1,1-Dichloroethene	3.869	96	48152	23.992	ug/l	90
13) Acrolein	3.735	56	18038	91.920	ug/l	93
14) Allyl chloride	4.478	41	91835	24.660	ug/l	97
15) Acrylonitrile	5.155	53	86632	122.375	ug/l	99
16) Acetone	3.954	43	95498	114.549	ug/l #	88
17) Carbon Disulfide	4.192	76	139952	21.467	ug/l	97
18) Methyl Acetate	4.478	43	70023	25.431	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	138782	23.952	ug/l	98
20) Methylene Chloride	4.710	84	72659	23.539	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	52898	24.106	ug/l	97
22) Diisopropyl ether	6.118	45	189230	25.997	ug/l	94
23) Vinyl Acetate	6.057	43	553852	134.388	ug/l	97
24) 1,1-Dichloroethane	6.015	63	104903	25.859	ug/l	97
25) 2-Butanone	6.990	43	124653	117.898	ug/l	93
26) 2,2-Dichloropropane	6.984	77	90749	25.960	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	61370	25.312	ug/l	95
28) Bromochloromethane	7.332	49	37470	26.028	ug/l #	77
29) Tetrahydrofuran	7.350	42	76141	115.690	ug/l	91
30) Chloroform	7.508	83	107947	26.763	ug/l	96
31) Cyclohexane	7.783	56	88041	23.228	ug/l	90
32) 1,1,1-Trichloroethane	7.703	97	93965	26.107	ug/l	96
36) 1,1-Dichloropropene	7.917	75	78576	25.521	ug/l	96
37) Ethyl Acetate	7.069	43	55132	23.795	ug/l	95
38) Carbon Tetrachloride	7.899	117	83341	25.826	ug/l	93
39) Methylcyclohexane	9.185	83	86772	23.907	ug/l	94
40) Benzene	8.161	78	224381	25.872	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	26181m	24.249	ug/l	
42) 1,2-Dichloroethane	8.234	62	73269	25.841	ug/l	99
43) Isopropyl Acetate	8.270	43	94863	24.257	ug/l	97
44) Trichloroethene	8.941	130	58695	25.443	ug/l	99
45) 1,2-Dichloropropane	9.215	63	59610	26.288	ug/l	98
46) Dibromomethane	9.301	93	34209	25.213	ug/l	97
47) Bromodichloromethane	9.496	83	81705	26.912	ug/l	98
48) Methyl methacrylate	9.295	41	42014	23.392	ug/l	96
49) 1,4-Dioxane	9.313	88	8533	440.350	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	267885	122.927	ug/l	96
52) Toluene	10.246	92	136574	26.169	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	82065	25.541	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	92525	25.591	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	47504	26.438	ug/l	97
56) Ethyl methacrylate	10.508	69	62348	25.012	ug/l	90
57) 1,3-Dichloropropane	10.788	76	80514	26.459	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	118826	127.121	ug/l	92
59) 2-Hexanone	10.831	43	195853	123.635	ug/l	95
60) Dibromochloromethane	10.983	129	57687	26.441	ug/l	98
61) 1,2-Dibromoethane	11.087	107	44557	25.223	ug/l	99
64) Tetrachloroethene	10.721	164	49523	24.329	ug/l	98
65) Chlorobenzene	11.514	112	146619	25.143	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	56946	26.111	ug/l	99
67) Ethyl Benzene	11.593	91	256968	25.094	ug/l	98
68) m/p-Xylenes	11.703	106	197983	50.859	ug/l	97
69) o-Xylene	12.032	106	91884	24.958	ug/l	94
70) Styrene	12.044	104	160280	26.037	ug/l	99
71) Bromoform	12.209	173	38090	24.934	ug/l #	99
73) Isopropylbenzene	12.331	105	251774	23.406	ug/l	98
74) N-amyl acetate	12.142	43	84060	21.960	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	59332	22.566	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	44021m	22.952	ug/l	
77) Bromobenzene	12.611	156	62512	23.984	ug/l	94
78) n-propylbenzene	12.672	91	313653	23.673	ug/l	97
79) 2-Chlorotoluene	12.757	91	175431	23.711	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	208939	23.798	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	20674	22.050	ug/l	98
82) 4-Chlorotoluene	12.855	91	183893	23.846	ug/l	97
83) tert-Butylbenzene	13.074	119	181417	23.851	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	206362	24.176	ug/l	99
85) sec-Butylbenzene	13.251	105	275333	24.119	ug/l	98
86) p-Isopropyltoluene	13.367	119	225591	24.574	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	122105	24.590	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	121820	24.286	ug/l	99
89) n-Butylbenzene	13.696	91	218190	24.352	ug/l	96
90) Hexachloroethane	13.958	117	46474	24.054	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	109527	24.426	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10384	22.363	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	67368	25.199	ug/l	97
94) Hexachlorobutadiene	15.111	225	42416	27.262	ug/l	99
95) Naphthalene	15.233	128	130859	22.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	61720	25.902	ug/l	100

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

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