

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013595.D
 Acq On : 04 May 2023 13:18
 Operator : KP/MD
 Sample : VY0504SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 05 00:58:35 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	7.789	168	269145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	405684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	368873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	192181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	149097	50.534	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.060%			
35) Dibromofluoromethane	7.716	113	129977	50.940	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.179	98	444239	48.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.483	95	164598	53.789	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	55764	21.794	ug/l	97
3) Chloromethane	2.113	50	65224	19.017	ug/l	99
4) Vinyl Chloride	2.253	62	62423	18.279	ug/l	99
5) Bromomethane	2.656	94	50383	18.514	ug/l	98
6) Chloroethane	2.790	64	42322	17.939	ug/l	97
7) Trichlorofluoromethane	3.125	101	107543	20.788	ug/l	98
8) Diethyl Ether	3.534	74	35670	20.247	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	58038	20.000	ug/l	98
10) Methyl Iodide	4.088	142	63596	17.449	ug/l	98
11) Tert butyl alcohol	4.991	59	35094	105.979	ug/l #	85
12) 1,1-Dichloroethene	3.875	96	54653	19.539	ug/l	95
13) Acrolein	3.729	56	25287	92.513	ug/l	96
14) Allyl chloride	4.478	41	100593	19.381	ug/l	97
15) Acrylonitrile	5.173	53	103207	104.606	ug/l	99
16) Acetone	3.954	43	114911	98.899	ug/l	100
17) Carbon Disulfide	4.192	76	166731	18.350	ug/l	99
18) Methyl Acetate	4.485	43	77281	20.138	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	164470	20.367	ug/l	99
20) Methylene Chloride	4.716	84	79968	16.559	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	60486	19.777	ug/l	97
22) Diisopropyl ether	6.125	45	203318	20.042	ug/l	96
23) Vinyl Acetate	6.064	43	627373	109.226	ug/l	99
24) 1,1-Dichloroethane	6.021	63	114817	20.307	ug/l	96
25) 2-Butanone	6.990	43	146982	99.747	ug/l	91
26) 2,2-Dichloropropane	6.978	77	101898	20.915	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	71093	21.039	ug/l	98
28) Bromochloromethane	7.332	49	41780	20.824	ug/l	86
29) Tetrahydrofuran	7.356	42	91495	99.749	ug/l	94
30) Chloroform	7.502	83	117931	20.979	ug/l	100
31) Cyclohexane	7.789	56	97724	18.500	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	108184	21.567	ug/l	98
36) 1,1-Dichloropropene	7.917	75	87914	20.760	ug/l	98
37) Ethyl Acetate	7.076	43	64089	20.111	ug/l	99
38) Carbon Tetrachloride	7.899	117	99208	22.352	ug/l	99
39) Methylcyclohexane	9.185	83	98550	19.741	ug/l	94
40) Benzene	8.161	78	254722	21.354	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	34001m	22.896	ug/l	
42) 1,2-Dichloroethane	8.240	62	88716	22.749	ug/l	98
43) Isopropyl Acetate	8.277	43	110040	20.458	ug/l	98
44) Trichloroethene	8.941	130	67131	21.157	ug/l	98
45) 1,2-Dichloropropane	9.215	63	64493	20.678	ug/l	95
46) Dibromomethane	9.307	93	40117	21.497	ug/l	97
47) Bromodichloromethane	9.496	83	91187	21.837	ug/l	99
48) Methyl methacrylate	9.295	41	50069	20.268	ug/l	97
49) 1,4-Dioxane	9.313	88	11335	425.286	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	321756	107.347	ug/l	96
52) Toluene	10.246	92	157605	21.956	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	96888	21.923	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	104829	21.080	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	53845	21.788	ug/l	98
56) Ethyl methacrylate	10.508	69	72747	21.218	ug/l	92
57) 1,3-Dichloropropane	10.788	76	92438	22.086	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	147410	114.656	ug/l	95
59) 2-Hexanone	10.831	43	236505	108.546	ug/l	96
60) Dibromochloromethane	10.983	129	67857	22.613	ug/l	98
61) 1,2-Dibromoethane	11.087	107	52424	21.576	ug/l	97
64) Tetrachloroethene	10.721	164	60391	21.530	ug/l	97
65) Chlorobenzene	11.514	112	170386	21.204	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	66353	22.079	ug/l	98
67) Ethyl Benzene	11.593	91	293347	20.790	ug/l	100
68) m/p-Xylenes	11.703	106	229079	42.706	ug/l	97
69) o-Xylene	12.032	106	107597	21.209	ug/l	96
70) Styrene	12.044	104	185949	21.922	ug/l	99
71) Bromoform	12.209	173	48169	22.883	ug/l #	98
73) Isopropylbenzene	12.331	105	283380	19.495	ug/l	98
74) N-amyl acetate	12.142	43	99411	19.218	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	69973	19.694	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	55122m	21.268	ug/l	
77) Bromobenzene	12.611	156	72549	20.598	ug/l	92
78) n-propylbenzene	12.672	91	356629	19.919	ug/l	98
79) 2-Chlorotoluene	12.757	91	202794	20.283	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	243436	20.519	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	24161	19.069	ug/l	92
82) 4-Chlorotoluene	12.855	91	213480	20.486	ug/l	97
83) tert-Butylbenzene	13.075	119	207521	20.189	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	241303	20.920	ug/l	99
85) sec-Butylbenzene	13.251	105	311128	20.169	ug/l	100
86) p-Isopropyltoluene	13.367	119	258202	20.813	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	143625	21.404	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	142801	21.067	ug/l	99
89) n-Butylbenzene	13.696	91	242223	20.005	ug/l	99
90) Hexachloroethane	13.958	117	52255	20.014	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	129261	21.332	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13203	21.041	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	78368	21.692	ug/l	99
94) Hexachlorobutadiene	15.111	225	48716	23.170	ug/l	99
95) Naphthalene	15.239	128	164336	20.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	73942	22.963	ug/l	100

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

