

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100422\
 Data File : VY010784.D
 Acq On : 04 Oct 2022 11:01
 Operator : KP/MD
 Sample : VY1004SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1004SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/05/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 07:24:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	248243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	402054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	355974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	173572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	133214	52.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.880%			
35) Dibromofluoromethane	7.716	113	124619	46.694	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.380%			
50) Toluene-d8	10.179	98	498086	54.572	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.140%			
62) 4-Bromofluorobenzene	12.483	95	161001	44.766	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35893	20.871	ug/l	98
3) Chloromethane	2.113	50	58407	20.419	ug/l	98
4) Vinyl Chloride	2.253	62	68007	19.744	ug/l	99
5) Bromomethane	2.643	94	50416	20.628	ug/l	99
6) Chloroethane	2.790	64	46229	20.139	ug/l	97
7) Trichlorofluoromethane	3.125	101	85573	20.400	ug/l	93
8) Diethyl Ether	3.521	74	27601	20.454	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.899	101	49927	20.761	ug/l	95
10) Methyl Iodide	4.088	142	59217	18.420	ug/l	91
11) Tert butyl alcohol	4.942	59	40126	164.009	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	47393	20.193	ug/l	88
13) Acrolein	3.729	56	22696	123.475	ug/l	99
14) Allyl chloride	4.478	41	70690	20.121	ug/l #	95
15) Acrylonitrile	5.155	53	69973	106.437	ug/l	99
16) Acetone	3.948	43	62046	97.089	ug/l	93
17) Carbon Disulfide	4.192	76	152679	20.130	ug/l	99
18) Methyl Acetate	4.478	43	35247	21.592	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	126361	20.567	ug/l	97
20) Methylene Chloride	4.710	84	65275	20.196	ug/l #	81
21) trans-1,2-Dichloroethene	5.216	96	54816	20.002	ug/l	89
22) Diisopropyl ether	6.118	45	156567	20.320	ug/l	94
23) Vinyl Acetate	6.057	43	477141	102.229	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	94881	20.221	ug/l	99
25) 2-Butanone	6.984	43	93760	102.048	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	88082	19.776	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	61540	20.234	ug/l	91
28) Bromochloromethane	7.332	49	20604	15.454	ug/l	90
29) Tetrahydrofuran	7.350	42	58063	107.466	ug/l #	85
30) Chloroform	7.502	83	97501	20.135	ug/l	100
31) Cyclohexane	7.783	56	89625	19.899	ug/l #	87
32) 1,1,1-Trichloroethane	7.704	97	89027	20.408	ug/l	97
36) 1,1-Dichloropropene	7.917	75	76688	19.905	ug/l	97
37) Ethyl Acetate	7.069	43	41429	21.913	ug/l	96
38) Carbon Tetrachloride	7.899	117	81033	20.193	ug/l	99
39) Methylcyclohexane	9.185	83	94060	19.876	ug/l	91
40) Benzene	8.161	78	223775	20.163	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	20339m	20.000	ug/l	
42) 1,2-Dichloroethane	8.234	62	64676	20.613	ug/l	94
43) Isopropyl Acetate	8.270	43	71272	20.828	ug/l #	91
44) Trichloroethene	8.941	130	59456	19.785	ug/l	95
45) 1,2-Dichloropropane	9.215	63	54126	20.230	ug/l	95
46) Dibromomethane	9.307	93	30691	20.054	ug/l	96
47) Bromodichloromethane	9.496	83	73918	20.014	ug/l	99
48) Methyl methacrylate	9.295	41	32388	20.152	ug/l #	84
49) 1,4-Dioxane	9.295	88	8263	438.613	ug/l #	93
51) 4-Methyl-2-Pentanone	10.069	43	197228	105.350	ug/l	90
52) Toluene	10.246	92	141283	20.002	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	75075	19.634	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	86402	19.732	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	43057	20.051	ug/l	97
56) Ethyl methacrylate	10.508	69	56004	20.298	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	74626	20.440	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	100607	89.394	ug/l	96
59) 2-Hexanone	10.831	43	134571	103.786	ug/l	89
60) Dibromochloromethane	10.983	129	52610	20.434	ug/l	99
61) 1,2-Dibromoethane	11.087	107	42172	20.597	ug/l	99
64) Tetrachloroethene	10.721	164	57416	20.342	ug/l	94
65) Chlorobenzene	11.514	112	148184	20.102	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	52811	19.600	ug/l	96
67) Ethyl Benzene	11.593	91	266190	20.065	ug/l	99
68) m/p-Xylenes	11.703	106	208336	40.126	ug/l	94
69) o-Xylene	12.032	106	96648	19.910	ug/l	95
70) Styrene	12.044	104	162956	19.919	ug/l	96
71) Bromoform	12.209	173	32906	20.517	ug/l #	99
73) Isopropylbenzene	12.331	105	258188	20.234	ug/l	99
74) N-amyl acetate	12.142	43	57567	19.630	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	50076	21.005	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	39174m	22.287	ug/l	
77) Bromobenzene	12.605	156	59106	20.192	ug/l	98
78) n-propylbenzene	12.672	91	318140	20.471	ug/l	100
79) 2-Chlorotoluene	12.757	91	175846	20.225	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	220633	20.443	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	16978	20.177	ug/l	89
82) 4-Chlorotoluene	12.855	91	181863	20.004	ug/l	99
83) tert-Butylbenzene	13.075	119	185829	20.197	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	219125	20.651	ug/l	99
85) sec-Butylbenzene	13.251	105	280391	20.245	ug/l	100
86) p-Isopropyltoluene	13.367	119	234927	20.217	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	120321	20.252	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	119320	20.282	ug/l	98
89) n-Butylbenzene	13.696	91	217098	20.303	ug/l	100
90) Hexachloroethane	13.958	117	44046	19.817	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	104921	20.261	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8220	21.442	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	59450	19.566	ug/l	99
94) Hexachlorobutadiene	15.111	225	37927	20.245	ug/l	99
95) Naphthalene	15.239	128	115549	19.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	50781	19.605	ug/l	97

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

