

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012935.D
 Acq On : 14 Mar 2023 12:15
 Operator : KP/MD
 Sample : VY0314SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0314SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/15/2023
 Supervised By :Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 01:40:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	102189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	153324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	138890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	47630	46.944	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.880%		
35) Dibromofluoromethane	7.716	113	45146	48.790	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.580%		
50) Toluene-d8	10.179	98	153490	45.374	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.740%		
62) 4-Bromofluorobenzene	12.483	95	55778	48.853	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22341	22.181	ug/l	96
3) Chloromethane	2.113	50	24635	20.459	ug/l	100
4) Vinyl Chloride	2.253	62	23282	21.085	ug/l	98
5) Bromomethane	2.638	94	13635	20.322	ug/l	94
6) Chloroethane	2.790	64	14196	21.467	ug/l	99
7) Trichlorofluoromethane	3.125	101	40726	22.207	ug/l	97
8) Diethyl Ether	3.528	74	14178	22.061	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	23928	21.687	ug/l	96
10) Methyl Iodide	4.088	142	29390	20.443	ug/l	98
11) Tert butyl alcohol	4.942	59	19368	158.622	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	22570	21.448	ug/l	94
13) Acrolein	3.729	56	16831	94.685	ug/l	100
14) Allyl chloride	4.479	41	36970	19.019	ug/l	97
15) Acrylonitrile	5.161	53	41497	122.547	ug/l	98
16) Acetone	3.948	43	45123	113.306	ug/l	97
17) Carbon Disulfide	4.192	76	70184	19.594	ug/l	99
18) Methyl Acetate	4.479	43	26281	22.160	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	61431	22.601	ug/l	95
20) Methylene Chloride	4.710	84	30355	21.966	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	23899	20.899	ug/l	98
22) Diisopropyl ether	6.119	45	75171	21.291	ug/l	95
23) Vinyl Acetate	6.058	43	244378	111.400	ug/l	99
24) 1,1-Dichloroethane	6.015	63	43696	21.720	ug/l	98
25) 2-Butanone	6.984	43	59020	119.655	ug/l	100
26) 2,2-Dichloropropane	6.984	77	39644	22.187	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	26534	21.642	ug/l	98
28) Bromochloromethane	7.332	49	16072	21.860	ug/l	94
29) Tetrahydrofuran	7.344	42	35627	119.758	ug/l	96
30) Chloroform	7.509	83	44790	22.539	ug/l	99
31) Cyclohexane	7.783	56	38850	19.993	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	40315	22.433	ug/l	100
36) 1,1-Dichloropropene	7.917	75	33509	21.610	ug/l	97
37) Ethyl Acetate	7.076	43	24152	24.712	ug/l	100
38) Carbon Tetrachloride	7.899	117	37234	23.253	ug/l	100
39) Methylcyclohexane	9.185	83	38456	20.860	ug/l	98
40) Benzene	8.161	78	97542	22.238	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	10323m	19.605	ug/l	
42) 1,2-Dichloroethane	8.234	62	31621	23.979	ug/l	100
43) Isopropyl Acetate	8.271	43	41194	23.625	ug/l	100
44) Trichloroethene	8.941	130	26061	22.535	ug/l	95
45) 1,2-Dichloropropane	9.216	63	24430	22.038	ug/l	97
46) Dibromomethane	9.307	93	15342	24.293	ug/l	99
47) Bromodichloromethane	9.496	83	34685	23.306	ug/l	97
48) Methyl methacrylate	9.295	41	19238	23.945	ug/l	97
49) 1,4-Dioxane	9.307	88	4581	561.116	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	119611	126.461	ug/l	98
52) Toluene	10.246	92	60592	22.906	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	36368	23.298	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	40442	22.889	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	20971	23.844	ug/l	98
56) Ethyl methacrylate	10.508	69	28067	23.933	ug/l	96
57) 1,3-Dichloropropane	10.788	76	35108	23.437	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	73762	119.816	ug/l	98
59) 2-Hexanone	10.831	43	88678	129.002	ug/l	99
60) Dibromochloromethane	10.984	129	25481	23.801	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20741	24.481	ug/l	97
64) Tetrachloroethene	10.721	164	22958	22.703	ug/l	98
65) Chlorobenzene	11.514	112	65845	22.589	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	24736	22.933	ug/l	99
67) Ethyl Benzene	11.593	91	111956	21.845	ug/l	99
68) m/p-Xylenes	11.703	106	87015	44.135	ug/l	99
69) o-Xylene	12.032	106	40724	22.132	ug/l	99
70) Styrene	12.044	104	69643	22.681	ug/l	99
71) Bromoform	12.209	173	17892	25.441	ug/l #	98
73) Isopropylbenzene	12.331	105	109774	21.207	ug/l	100
74) N-amyl acetate	12.142	43	35760	21.956	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	26817	23.046	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	17724m	20.321	ug/l	
77) Bromobenzene	12.611	156	27305	21.713	ug/l	99
78) n-propylbenzene	12.672	91	136326	21.361	ug/l	100
79) 2-Chlorotoluene	12.758	91	76043	21.439	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	91262	21.363	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	9654	22.934	ug/l	100
82) 4-Chlorotoluene	12.855	91	79776	21.727	ug/l	98
83) tert-Butylbenzene	13.075	119	78877	21.392	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	91182	21.828	ug/l	100
85) sec-Butylbenzene	13.251	105	121937	21.678	ug/l	100
86) p-Isopropyltoluene	13.373	119	99527	21.649	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	54044	22.283	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	53149	21.472	ug/l	97
89) n-Butylbenzene	13.697	91	92386	20.992	ug/l	99
90) Hexachloroethane	13.959	117	20468	21.376	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	48845	22.279	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4653	24.742	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	28551	21.151	ug/l	98
94) Hexachlorobutadiene	15.111	225	17625	21.407	ug/l	99
95) Naphthalene	15.239	128	60634	22.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	26245	21.861	ug/l	99

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

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