

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031323\
 Data File : VY012922.D
 Acq On : 13 Mar 2023 12:25
 Operator : KP/MD
 Sample : VY0313SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0313SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/14/2023
 Supervised By :Mahesh Dadoda 03/15/2023

Quant Time: Mar 14 01:24:38 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	103009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	137964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	44084	43.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.200%		
35) Dibromofluoromethane	7.722	113	43847	47.721	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.440%		
50) Toluene-d8	10.179	98	150261	44.734	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.460%		
62) 4-Bromofluorobenzene	12.483	95	54002	47.631	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22109	21.776	ug/l	97
3) Chloromethane	2.113	50	23153	19.075	ug/l	100
4) Vinyl Chloride	2.253	62	22640	20.341	ug/l	99
5) Bromomethane	2.643	94	14111	20.864	ug/l	99
6) Chloroethane	2.796	64	13813	20.722	ug/l	97
7) Trichlorofluoromethane	3.125	101	39887	21.576	ug/l	96
8) Diethyl Ether	3.534	74	13146	20.293	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	24839	22.333	ug/l	98
10) Methyl Iodide	4.088	142	28390	19.590	ug/l	98
11) Tert butyl alcohol	4.954	59	14707	114.081	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	22548	21.257	ug/l	90
13) Acrolein	3.729	56	13969	77.959	ug/l	99
14) Allyl chloride	4.479	41	37677	19.229	ug/l	97
15) Acrylonitrile	5.161	53	34079	99.839	ug/l	99
16) Acetone	3.948	43	38942	97.007	ug/l	98
17) Carbon Disulfide	4.198	76	70446	19.511	ug/l	99
18) Methyl Acetate	4.472	43	22279	18.636	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	55010	20.077	ug/l	98
20) Methylene Chloride	4.716	84	30830	22.178	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	23528	20.411	ug/l	99
22) Diisopropyl ether	6.118	45	71399	20.062	ug/l	94
23) Vinyl Acetate	6.058	43	216019	97.689	ug/l	98
24) 1,1-Dichloroethane	6.015	63	41704	20.564	ug/l	100
25) 2-Butanone	6.984	43	48648	97.842	ug/l	97
26) 2,2-Dichloropropane	6.978	77	39559	21.963	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	26208	21.206	ug/l	99
28) Bromochloromethane	7.332	49	15522	20.944	ug/l	93
29) Tetrahydrofuran	7.350	42	28434	94.818	ug/l	96
30) Chloroform	7.508	83	44046	21.988	ug/l	99
31) Cyclohexane	7.783	56	37928	19.363	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	39029	21.545	ug/l	98
36) 1,1-Dichloropropene	7.923	75	33320	21.640	ug/l	98
37) Ethyl Acetate	7.076	43	19679	20.278	ug/l	99
38) Carbon Tetrachloride	7.905	117	36671	23.063	ug/l	95
39) Methylcyclohexane	9.185	83	39127	21.374	ug/l	99
40) Benzene	8.161	78	94589	21.717	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11565m	22.119	ug/l	
42) 1,2-Dichloroethane	8.240	62	28387	21.678	ug/l	99
43) Isopropyl Acetate	8.271	43	34474	19.911	ug/l	98
44) Trichloroethene	8.941	130	25754	22.427	ug/l	98
45) 1,2-Dichloropropane	9.215	63	23585	21.426	ug/l	97
46) Dibromomethane	9.307	93	13645	21.759	ug/l	95
47) Bromodichloromethane	9.496	83	32091	21.716	ug/l	97
48) Methyl methacrylate	9.295	41	16278	20.404	ug/l	97
49) 1,4-Dioxane	9.301	88	3545	437.288	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	96529	102.779	ug/l	99
52) Toluene	10.246	92	59583	22.683	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	32832	21.181	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	38338	21.852	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	19267	22.062	ug/l	97
56) Ethyl methacrylate	10.508	69	24193	20.776	ug/l	98
57) 1,3-Dichloropropane	10.794	76	32195	21.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	62555	102.330	ug/l	97
59) 2-Hexanone	10.831	43	69799	102.256	ug/l	97
60) Dibromochloromethane	10.983	129	24288	22.847	ug/l	99
61) 1,2-Dibromoethane	11.093	107	18162	21.589	ug/l	99
64) Tetrachloroethene	10.721	164	22437	22.337	ug/l	99
65) Chlorobenzene	11.514	112	64018	22.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	24708	23.061	ug/l	97
67) Ethyl Benzene	11.593	91	111077	21.819	ug/l	99
68) m/p-Xylenes	11.703	106	87486	44.672	ug/l	100
69) o-Xylene	12.032	106	40549	22.185	ug/l	98
70) Styrene	12.044	104	68314	22.397	ug/l	99
71) Bromoform	12.209	173	15931	22.805	ug/l #	97
73) Isopropylbenzene	12.331	105	108503	21.146	ug/l	99
74) N-amyl acetate	12.148	43	29299	18.148	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	24218	20.997	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	16183m	18.718	ug/l	
77) Bromobenzene	12.611	156	26694	21.415	ug/l	95
78) n-propylbenzene	12.672	91	137083	21.670	ug/l	99
79) 2-Chlorotoluene	12.758	91	75704	21.532	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	90325	21.331	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8209	19.674	ug/l	97
82) 4-Chlorotoluene	12.855	91	77193	21.210	ug/l	100
83) tert-Butylbenzene	13.075	119	77207	21.125	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	88433	21.357	ug/l	99
85) sec-Butylbenzene	13.257	105	121752	21.836	ug/l	99
86) p-Isopropyltoluene	13.373	119	100090	21.964	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	53129	22.099	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	52976	21.591	ug/l	99
89) n-Butylbenzene	13.696	91	92446	21.191	ug/l	100
90) Hexachloroethane	13.959	117	20800	21.915	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	47675	21.938	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3701	19.854	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	27850	20.814	ug/l	98
94) Hexachlorobutadiene	15.117	225	17842	21.862	ug/l	99
95) Naphthalene	15.239	128	52241	19.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	24647	20.711	ug/l	99

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

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