

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012934.D
 Acq On : 14 Mar 2023 11:52
 Operator : KP/MD
 Sample : VY0314SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 01:40:09 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	97931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	148701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	133807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	45525	46.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.640%		
35) Dibromofluoromethane	7.715	113	44351	49.421	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.840%		
50) Toluene-d8	10.178	98	153960	46.928	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.860%		
62) 4-Bromofluorobenzene	12.483	95	54516	49.232	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	20876	21.627	ug/l	93
3) Chloromethane	2.113	50	23729	20.563	ug/l	99
4) Vinyl Chloride	2.253	62	21869	20.667	ug/l	99
5) Bromomethane	2.643	94	13842	21.528	ug/l	97
6) Chloroethane	2.796	64	13582	21.432	ug/l	99
7) Trichlorofluoromethane	3.125	101	39085	22.239	ug/l	95
8) Diethyl Ether	3.533	74	12763	20.723	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	23081	21.829	ug/l	97
10) Methyl Iodide	4.088	142	28248	20.503	ug/l	100
11) Tert butyl alcohol	4.954	59	14280	116.980	ug/l #	85
12) 1,1-Dichloroethene	3.869	96	22065	21.880	ug/l	94
13) Acrolein	3.728	56	13154	77.217	ug/l	98
14) Allyl chloride	4.484	41	35105	18.845	ug/l	98
15) Acrylonitrile	5.161	53	33554	103.398	ug/l	99
16) Acetone	3.948	43	36369	95.295	ug/l	97
17) Carbon Disulfide	4.198	76	68412	19.930	ug/l	97
18) Methyl Acetate	4.472	43	21195	18.649	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	54580	20.953	ug/l	100
20) Methylene Chloride	4.710	84	29485	22.346	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	23392	21.345	ug/l	94
22) Diisopropyl ether	6.118	45	71385	21.098	ug/l	93
23) Vinyl Acetate	6.057	43	214942	102.242	ug/l	96
24) 1,1-Dichloroethane	6.014	63	41657	21.606	ug/l	99
25) 2-Butanone	6.984	43	47396	100.266	ug/l	99
26) 2,2-Dichloropropane	6.978	77	37963	22.170	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	25773	21.935	ug/l	100
28) Bromochloromethane	7.331	49	15110	21.446	ug/l	93
29) Tetrahydrofuran	7.350	42	28386	99.567	ug/l	96
30) Chloroform	7.508	83	43230	22.700	ug/l	99
31) Cyclohexane	7.782	56	36191	19.435	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	38382	22.286	ug/l	98
36) 1,1-Dichloropropene	7.917	75	32100	21.345	ug/l	99
37) Ethyl Acetate	7.075	43	19478	20.549	ug/l	99
38) Carbon Tetrachloride	7.904	117	35790	23.046	ug/l	97
39) Methylcyclohexane	9.185	83	36670	20.510	ug/l	97
40) Benzene	8.160	78	95291	22.400	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	9853m	19.294	ug/l	
42) 1,2-Dichloroethane	8.240	62	29088	22.744	ug/l	100
43) Isopropyl Acetate	8.270	43	34590	20.454	ug/l	97
44) Trichloroethene	8.941	130	25654	22.873	ug/l	97
45) 1,2-Dichloropropane	9.215	63	23487	21.846	ug/l	95
46) Dibromomethane	9.307	93	14085	22.996	ug/l	97
47) Bromodichloromethane	9.496	83	33164	22.977	ug/l	96
48) Methyl methacrylate	9.294	41	15534	19.935	ug/l	93
49) 1,4-Dioxane	9.307	88	3584	452.644	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	96376	105.063	ug/l	99
52) Toluene	10.245	92	59403	23.154	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	33864	22.368	ug/l	97
54) cis-1,3-Dichloropropene	9.928	75	37686	21.993	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	19507	22.869	ug/l	98
56) Ethyl methacrylate	10.508	69	24024	21.123	ug/l	99
57) 1,3-Dichloropropane	10.788	76	32679	22.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	66611	111.564	ug/l	100
59) 2-Hexanone	10.831	43	70000	104.997	ug/l	98
60) Dibromochloromethane	10.983	129	24009	23.123	ug/l	99
61) 1,2-Dibromoethane	11.087	107	18736	22.802	ug/l	100
64) Tetrachloroethene	10.721	164	22609	23.207	ug/l	97
65) Chlorobenzene	11.513	112	63154	22.488	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	24822	23.887	ug/l	97
67) Ethyl Benzene	11.593	91	110773	22.436	ug/l	99
68) m/p-Xylenes	11.702	106	86097	45.329	ug/l	100
69) o-Xylene	12.032	106	39993	22.561	ug/l	97
70) Styrene	12.044	104	67331	22.761	ug/l	98
71) Bromoform	12.208	173	15839	23.377	ug/l #	99
73) Isopropylbenzene	12.330	105	107599	21.415	ug/l	99
74) N-amyl acetate	12.141	43	31195	19.733	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.580	83	24071	21.312	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	16000m	18.899	ug/l	
77) Bromobenzene	12.611	156	26646	21.830	ug/l	96
78) n-propylbenzene	12.672	91	133907	21.617	ug/l	99
79) 2-Chlorotoluene	12.757	91	73894	21.463	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	91263	22.010	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	8457	20.698	ug/l	99
82) 4-Chlorotoluene	12.855	91	78236	21.952	ug/l	100
83) tert-Butylbenzene	13.074	119	76964	21.505	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	88603	21.852	ug/l	98
85) sec-Butylbenzene	13.257	105	119103	21.814	ug/l	100
86) p-Isopropyltoluene	13.373	119	99027	22.192	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	53445	22.702	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	53013	22.064	ug/l	98
89) n-Butylbenzene	13.696	91	91494	21.418	ug/l	100
90) Hexachloroethane	13.964	117	20450	22.003	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	48696	22.883	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3751	20.549	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	28535	21.778	ug/l	98
94) Hexachlorobutadiene	15.117	225	17691	22.137	ug/l	99
95) Naphthalene	15.238	128	52716	20.077	ug/l	100
96) 1,2,3-Trichlorobenzene	15.427	180	25257	21.674	ug/l	99

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

