

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031523\
 Data File : VY012953.D
 Acq On : 15 Mar 2023 11:27
 Operator : KP/MD
 Sample : VY0315SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0315SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/16/2023
 Supervised By :Mahesh Dadoda 03/16/2023

Quant Time: Mar 16 00:17:54 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	99723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	150605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	137249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	44408	44.851	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.700%		
35) Dibromofluoromethane	7.715	113	43851	48.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.500%		
50) Toluene-d8	10.178	98	147310	44.334	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.660%		
62) 4-Bromofluorobenzene	12.483	95	54134	48.269	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	20646	21.005	ug/l	97
3) Chloromethane	2.113	50	23492	19.992	ug/l	97
4) Vinyl Chloride	2.253	62	22554	20.931	ug/l	100
5) Bromomethane	2.637	94	13535	20.672	ug/l	96
6) Chloroethane	2.789	64	13741	21.293	ug/l	95
7) Trichlorofluoromethane	3.125	101	38504	21.515	ug/l	99
8) Diethyl Ether	3.533	74	13152	20.971	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	23328	21.666	ug/l	98
10) Methyl Iodide	4.088	142	28550	20.350	ug/l	98
11) Tert butyl alcohol	4.954	59	13893	110.787	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	21919	21.344	ug/l	93
13) Acrolein	3.734	56	14180	81.744	ug/l	100
14) Allyl chloride	4.478	41	36514	19.249	ug/l	98
15) Acrylonitrile	5.161	53	35520	107.490	ug/l	98
16) Acetone	3.948	43	41208	106.034	ug/l	97
17) Carbon Disulfide	4.198	76	67455	19.298	ug/l	95
18) Methyl Acetate	4.472	43	23450	20.262	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	56725	21.385	ug/l	99
20) Methylene Chloride	4.716	84	27966	20.401	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	22661	20.306	ug/l	97
22) Diisopropyl ether	6.118	45	74379	21.588	ug/l	95
23) Vinyl Acetate	6.057	43	223931	104.604	ug/l	100
24) 1,1-Dichloroethane	6.015	63	41912	21.348	ug/l	98
25) 2-Butanone	6.984	43	52227	108.501	ug/l	100
26) 2,2-Dichloropropane	6.978	77	37356	21.423	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	25770	21.539	ug/l	99
28) Bromochloromethane	7.331	49	15510	21.618	ug/l	98
29) Tetrahydrofuran	7.350	42	31037	106.909	ug/l	99
30) Chloroform	7.508	83	43175	22.264	ug/l	97
31) Cyclohexane	7.789	56	36181	19.080	ug/l #	87
32) 1,1,1-Trichloroethane	7.703	97	38971	22.222	ug/l	100
36) 1,1-Dichloropropene	7.917	75	31988	21.002	ug/l	98
37) Ethyl Acetate	7.075	43	20190	21.031	ug/l	99
38) Carbon Tetrachloride	7.904	117	35629	22.652	ug/l	98
39) Methylcyclohexane	9.185	83	37026	20.447	ug/l	98
40) Benzene	8.160	78	96159	22.319	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10202	19.725	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	29013	22.398	ug/l	99
43) Isopropyl Acetate	8.270	43	36760	21.463	ug/l	99
44) Trichloroethene	8.941	130	25331	22.300	ug/l	100
45) 1,2-Dichloropropane	9.215	63	24202	22.227	ug/l	95
46) Dibromomethane	9.307	93	14122	22.765	ug/l	98
47) Bromodichloromethane	9.496	83	32921	22.520	ug/l	100
48) Methyl methacrylate	9.294	41	16812	21.303	ug/l	95
49) 1,4-Dioxane	9.294	88	3859	481.214	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	103259	111.144	ug/l	98
52) Toluene	10.245	92	58088	22.356	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	34168	22.284	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	38338	22.090	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	19784	22.901	ug/l	98
56) Ethyl methacrylate	10.508	69	25361	22.016	ug/l	97
57) 1,3-Dichloropropane	10.788	76	33040	22.454	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	68224	112.821	ug/l	100
59) 2-Hexanone	10.831	43	77295	114.473	ug/l	100
60) Dibromochloromethane	10.983	129	24325	23.131	ug/l	100
61) 1,2-Dibromoethane	11.087	107	18691	22.460	ug/l	99
64) Tetrachloroethene	10.721	164	22237	22.253	ug/l	98
65) Chlorobenzene	11.514	112	63153	21.924	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	24139	22.647	ug/l	99
67) Ethyl Benzene	11.593	91	109426	21.607	ug/l	97
68) m/p-Xylenes	11.703	106	85074	43.667	ug/l	100
69) o-Xylene	12.032	106	39574	21.764	ug/l	98
70) Styrene	12.044	104	67650	22.295	ug/l	99
71) Bromoform	12.209	173	16157	23.249	ug/l #	97
73) Isopropylbenzene	12.330	105	105985	20.978	ug/l	99
74) N-amyl acetate	12.141	43	32362	20.358	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.580	83	24621	21.679	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	16353m	19.209	ug/l	
77) Bromobenzene	12.611	156	26452	21.552	ug/l	98
78) n-propylbenzene	12.672	91	133594	21.447	ug/l	100
79) 2-Chlorotoluene	12.757	91	73439	21.213	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	89334	21.426	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	8256	20.095	ug/l	96
82) 4-Chlorotoluene	12.855	91	76542	21.359	ug/l	99
83) tert-Butylbenzene	13.074	119	75485	20.975	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	88447	21.693	ug/l	100
85) sec-Butylbenzene	13.257	105	118884	21.654	ug/l	99
86) p-Isopropyltoluene	13.373	119	97045	21.628	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	52307	22.097	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	53234	22.034	ug/l	100
89) n-Butylbenzene	13.696	91	92362	21.502	ug/l	98
90) Hexachloroethane	13.964	117	20417	21.847	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	48116	22.486	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3984	21.705	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	28878	21.918	ug/l	99
94) Hexachlorobutadiene	15.110	225	17434	21.695	ug/l	98
95) Naphthalene	15.238	128	55914	21.178	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	25790	22.010	ug/l	99

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

