

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011623\
 Data File : VY012204.D
 Acq On : 16 Jan 2023 17:08
 Operator : KP/MD
 Sample : VY0116SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0116SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

Quant Time: Jan 17 04:48:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	187954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	287814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	77485	49.713	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.420%		
35) Dibromofluoromethane	7.715	113	69563	45.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.300%		
50) Toluene-d8	10.178	98	257908	48.734	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.460%		
62) 4-Bromofluorobenzene	12.483	95	98602	45.897	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37660	22.928	ug/l	96
3) Chloromethane	2.113	50	31782	20.960	ug/l	99
4) Vinyl Chloride	2.253	62	36001	20.341	ug/l	99
5) Bromomethane	2.643	94	30155	22.037	ug/l	91
6) Chloroethane	2.790	64	23406	20.278	ug/l	95
7) Trichlorofluoromethane	3.125	101	72237	20.913	ug/l	97
8) Diethyl Ether	3.527	74	20251	19.702	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.905	101	35000	20.819	ug/l	94
10) Methyl Iodide	4.094	142	40220	15.742	ug/l	95
11) Tert butyl alcohol	4.942	59	31126	164.129	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	35502	20.566	ug/l	95
13) Acrolein	3.728	56	10602	138.621	ug/l	96
14) Allyl chloride	4.478	41	44019	20.623	ug/l #	87
15) Acrylonitrile	5.155	53	46062	102.595	ug/l	99
16) Acetone	3.948	43	48489	92.648	ug/l	99
17) Carbon Disulfide	4.192	76	108319	20.286	ug/l	98
18) Methyl Acetate	4.478	43	22515	19.225	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	96263	20.004	ug/l	96
20) Methylene Chloride	4.716	84	45364	15.167	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	39727	20.623	ug/l	88
22) Diisopropyl ether	6.118	45	88695	20.843	ug/l #	93
23) Vinyl Acetate	6.063	43	276082	104.118	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	61390	20.799	ug/l	96
25) 2-Butanone	6.990	43	58269	100.848	ug/l	93
26) 2,2-Dichloropropane	6.978	77	66636	20.797	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	43198	20.415	ug/l	96
28) Bromochloromethane	7.331	49	13103	20.327	ug/l #	78
29) Tetrahydrofuran	7.344	42	33042	104.110	ug/l #	84
30) Chloroform	7.502	83	73074	20.973	ug/l	97
31) Cyclohexane	7.789	56	56509	20.621	ug/l	83
32) 1,1,1-Trichloroethane	7.697	97	71653	20.773	ug/l	98
36) 1,1-Dichloropropene	7.917	75	53710	20.737	ug/l	97
37) Ethyl Acetate	7.069	43	23143	20.269	ug/l #	93
38) Carbon Tetrachloride	7.904	117	67977	20.322	ug/l	94
39) Methylcyclohexane	9.185	83	66885	21.132	ug/l	97
40) Benzene	8.161	78	153171	20.490	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	14310m	21.322	ug/l	
42) 1,2-Dichloroethane	8.234	62	49092	20.628	ug/l	99
43) Isopropyl Acetate	8.270	43	43938	20.684	ug/l #	94
44) Trichloroethene	8.941	130	45793	20.495	ug/l	96
45) 1,2-Dichloropropane	9.215	63	33001	21.157	ug/l	94
46) Dibromomethane	9.307	93	21732	20.811	ug/l	97
47) Bromodichloromethane	9.496	83	54033	20.556	ug/l	97
48) Methyl methacrylate	9.294	41	20458	20.902	ug/l	92
49) 1,4-Dioxane	9.294	88	5725	402.344	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	116817	103.129	ug/l	96
52) Toluene	10.246	92	102053	20.504	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	56162	20.426	ug/l	98
54) cis-1,3-Dichloropropene	9.928	75	61053	20.619	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	30309	20.429	ug/l	95
56) Ethyl methacrylate	10.508	69	39385	20.235	ug/l	95
57) 1,3-Dichloropropane	10.788	76	50521	20.851	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	67530	104.853	ug/l #	88
59) 2-Hexanone	10.831	43	87439	101.390	ug/l	94
60) Dibromochloromethane	10.983	129	39847	20.250	ug/l	100
61) 1,2-Dibromoethane	11.093	107	29565	20.651	ug/l	100
64) Tetrachloroethene	10.721	164	50414	20.727	ug/l	97
65) Chlorobenzene	11.520	112	109421	20.063	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	42209	20.504	ug/l	97
67) Ethyl Benzene	11.593	91	196814	20.192	ug/l	99
68) m/p-Xylenes	11.703	106	157476	40.862	ug/l	99
69) o-Xylene	12.032	106	74860	20.337	ug/l	97
70) Styrene	12.044	104	124475	20.239	ug/l	99
71) Bromoform	12.209	173	26754	20.342	ug/l #	98
73) Isopropylbenzene	12.330	105	202997	20.765	ug/l	100
74) N-amyl acetate	12.142	43	38502	20.091	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.580	83	31771	20.633	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	23272m	18.668	ug/l	
77) Bromobenzene	12.611	156	47415	20.156	ug/l	92
78) n-propylbenzene	12.672	91	236383	20.663	ug/l	98
79) 2-Chlorotoluene	12.757	91	132570	20.496	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	176693	20.791	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	12353	20.417	ug/l	96
82) 4-Chlorotoluene	12.855	91	139159	20.482	ug/l	98
83) tert-Butylbenzene	13.074	119	153723	20.754	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	172386	20.569	ug/l	100
85) sec-Butylbenzene	13.257	105	218330	20.703	ug/l	98
86) p-Isopropyltoluene	13.373	119	190996	20.729	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	95059	20.318	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	93552	20.050	ug/l	99
89) n-Butylbenzene	13.696	91	164618	20.616	ug/l	98
90) Hexachloroethane	13.964	117	34127	20.517	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	84747	20.300	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6419	20.171	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	53033	19.826	ug/l	98
94) Hexachlorobutadiene	15.117	225	33609	20.869	ug/l	100
95) Naphthalene	15.239	128	101552	19.234	ug/l	100
96) 1,2,3-Trichlorobenzene	15.427	180	45719	19.862	ug/l	100

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

