

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012133.D
 Acq On : 10 Jan 2023 11:25
 Operator : KP/MD
 Sample : VY0110SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/11/2023
 Supervised By :Mahesh Dadoda 01/11/2023

Quant Time: Jan 11 03:07:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	160097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	240389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	221424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	87425	48.598	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.200%		
35) Dibromofluoromethane	7.716	113	77099	48.796	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.600%		
50) Toluene-d8	10.179	98	296023	47.467	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.940%		
62) 4-Bromofluorobenzene	12.483	95	107963	49.526	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33861	24.670	ug/l	99
3) Chloromethane	2.113	50	30214	24.323	ug/l	99
4) Vinyl Chloride	2.253	62	35104	22.561	ug/l	100
5) Bromomethane	2.643	94	27411	24.795	ug/l	91
6) Chloroethane	2.790	64	23063	22.372	ug/l	95
7) Trichlorofluoromethane	3.125	101	68670	22.153	ug/l	100
8) Diethyl Ether	3.534	74	19596	20.648	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	34484	21.606	ug/l	96
10) Methyl Iodide	4.094	142	44739	20.678	ug/l	94
11) Tert butyl alcohol	4.948	59	28892	120.360	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	34361	21.960	ug/l	96
13) Acrolein	3.729	56	12544	116.637	ug/l	98
14) Allyl chloride	4.485	41	42572	20.183	ug/l #	87
15) Acrylonitrile	5.161	53	45555	102.164	ug/l	99
16) Acetone	3.948	43	44257	104.582	ug/l	98
17) Carbon Disulfide	4.198	76	100078	24.078	ug/l	100
18) Methyl Acetate	4.472	43	23520	19.321	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	95608	20.760	ug/l	96
20) Methylene Chloride	4.716	84	54862	28.070	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	38276	22.107	ug/l	94
22) Diisopropyl ether	6.118	45	90557	20.870	ug/l #	91
23) Vinyl Acetate	6.064	43	271435	103.375	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	59256	20.530	ug/l	97
25) 2-Butanone	6.990	43	57391	102.791	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	66212	21.265	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	42147	21.313	ug/l	96
28) Bromochloromethane	7.332	49	14226	19.496	ug/l #	81
29) Tetrahydrofuran	7.350	42	33268	102.080	ug/l #	86
30) Chloroform	7.508	83	69750	21.200	ug/l	96
31) Cyclohexane	7.789	56	55257	22.382	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	69270	21.677	ug/l	98
36) 1,1-Dichloropropene	7.917	75	51727	21.579	ug/l	98
37) Ethyl Acetate	7.076	43	25642	19.978	ug/l #	96
38) Carbon Tetrachloride	7.899	117	66793	21.953	ug/l	99
39) Methylcyclohexane	9.185	83	63256	22.090	ug/l	94
40) Benzene	8.161	78	149747	21.437	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	13803m	19.773	ug/l	
42) 1,2-Dichloroethane	8.240	62	47786	21.608	ug/l	99
43) Isopropyl Acetate	8.271	43	43062	20.020	ug/l #	94
44) Trichloroethene	8.941	130	44200	21.670	ug/l	94
45) 1,2-Dichloropropane	9.215	63	32174	20.672	ug/l	100
46) Dibromomethane	9.307	93	21170	21.607	ug/l	97
47) Bromodichloromethane	9.496	83	52629	21.125	ug/l #	98
48) Methyl methacrylate	9.295	41	20412	21.185	ug/l	95
49) 1,4-Dioxane	9.295	88	5726	422.030	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	115799	101.174	ug/l	95
52) Toluene	10.246	92	99630	21.548	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	54735	21.119	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	59586	21.252	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	29393	20.771	ug/l	94
56) Ethyl methacrylate	10.508	69	38873	20.970	ug/l	95
57) 1,3-Dichloropropane	10.788	76	49693	21.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	69454	102.430	ug/l	92
59) 2-Hexanone	10.831	43	83451	103.835	ug/l	95
60) Dibromochloromethane	10.983	129	39986	21.430	ug/l	98
61) 1,2-Dibromoethane	11.087	107	28275	20.876	ug/l	99
64) Tetrachloroethene	10.721	164	47015	21.675	ug/l	98
65) Chlorobenzene	11.520	112	107912	21.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	41333	21.170	ug/l	97
67) Ethyl Benzene	11.593	91	192361	21.282	ug/l	99
68) m/p-Xylenes	11.703	106	153303	43.243	ug/l	97
69) o-Xylene	12.032	106	71711	21.244	ug/l	97
70) Styrene	12.044	104	121599	21.207	ug/l	99
71) Bromoform	12.209	173	26339	21.232	ug/l #	98
73) Isopropylbenzene	12.331	105	196542	20.655	ug/l	99
74) N-amyl acetate	12.142	43	37016	18.843	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	31833	19.888	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	22997m	16.749	ug/l	
77) Bromobenzene	12.611	156	46212	20.362	ug/l	94
78) n-propylbenzene	12.672	91	230885	20.785	ug/l	99
79) 2-Chlorotoluene	12.758	91	129095	20.317	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	172915	21.187	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	12137	19.631	ug/l	95
82) 4-Chlorotoluene	12.855	91	134300	20.208	ug/l	97
83) tert-Butylbenzene	13.075	119	149987	20.975	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	168319	20.835	ug/l	100
85) sec-Butylbenzene	13.251	105	214227	20.843	ug/l	98
86) p-Isopropyltoluene	13.373	119	183980	20.661	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	93596	20.574	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	92444	20.342	ug/l	100
89) n-Butylbenzene	13.696	91	160242	20.766	ug/l	98
90) Hexachloroethane	13.965	117	33030	19.995	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	83724	20.658	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6291	19.775	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	50506	19.988	ug/l	97
94) Hexachlorobutadiene	15.111	225	31994	20.986	ug/l	98
95) Naphthalene	15.239	128	97454	19.489	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	43556	19.827	ug/l	99

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

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