

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011323\
 Data File : VY012185.D
 Acq On : 13 Jan 2023 11:36
 Operator : KP/MD
 Sample : VY0113SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/16/2023
 Supervised By :Mahesh Dadoda 01/16/2023

Quant Time: Jan 16 08:17:35 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	168136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	251074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85698	45.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.720%		
35) Dibromofluoromethane	7.716	113	78518	47.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.160%		
50) Toluene-d8	10.179	98	290877	44.657	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.320%		
62) 4-Bromofluorobenzene	12.483	95	110092	48.354	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33769	23.218	ug/l	96
3) Chloromethane	2.107	50	30885	23.583	ug/l	97
4) Vinyl Chloride	2.247	62	36389	22.268	ug/l	100
5) Bromomethane	2.644	94	27397	23.376	ug/l	99
6) Chloroethane	2.790	64	23994	22.162	ug/l	100
7) Trichlorofluoromethane	3.125	101	71045	21.823	ug/l	98
8) Diethyl Ether	3.528	74	23020	23.096	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	37240	22.217	ug/l	95
10) Methyl Iodide	4.088	142	48159	21.194	ug/l	96
11) Tert butyl alcohol	4.954	59	21266	72.915	ug/l	99
12) 1,1-Dichloroethene	3.869	96	36689	22.327	ug/l	95
13) Acrolein	3.729	56	13296	118.099	ug/l	100
14) Allyl chloride	4.472	41	47858	21.604	ug/l #	90
15) Acrylonitrile	5.161	53	51420	109.804	ug/l	99
16) Acetone	3.942	43	45094	101.465	ug/l	98
17) Carbon Disulfide	4.192	76	102977	23.485	ug/l	100
18) Methyl Acetate	4.472	43	26860	21.010	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	104865	21.681	ug/l	94
20) Methylene Chloride	4.710	84	54097	25.945	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	40854	22.468	ug/l	94
22) Diisopropyl ether	6.112	45	101122	22.191	ug/l #	92
23) Vinyl Acetate	6.058	43	305500	110.785	ug/l	96
24) 1,1-Dichloroethane	6.015	63	65986	21.769	ug/l	98
25) 2-Butanone	6.984	43	61188	104.352	ug/l	93
26) 2,2-Dichloropropane	6.978	77	69213	21.166	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	45745	22.026	ug/l	96
28) Bromochloromethane	7.332	49	15860	20.696	ug/l #	81
29) Tetrahydrofuran	7.344	42	37294	108.962	ug/l	88
30) Chloroform	7.502	83	74876	21.670	ug/l	96
31) Cyclohexane	7.783	56	58624	22.649	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	73312	21.845	ug/l	98
36) 1,1-Dichloropropene	7.911	75	55238	22.063	ug/l	98
37) Ethyl Acetate	7.076	43	28571	21.312	ug/l #	94
38) Carbon Tetrachloride	7.899	117	69523	21.878	ug/l	94
39) Methylcyclohexane	9.179	83	67517	22.574	ug/l	94
40) Benzene	8.161	78	160933	22.058	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	19033m	26.105	ug/l	
42) 1,2-Dichloroethane	8.234	62	51488	22.291	ug/l	98
43) Isopropyl Acetate	8.271	43	49547	22.054	ug/l #	95
44) Trichloroethene	8.941	130	47784	22.431	ug/l	91
45) 1,2-Dichloropropane	9.216	63	36524	22.468	ug/l	97
46) Dibromomethane	9.301	93	22882	22.360	ug/l	96
47) Bromodichloromethane	9.496	83	57806	22.216	ug/l	96
48) Methyl methacrylate	9.289	41	21969	21.830	ug/l	91
49) 1,4-Dioxane	9.307	88	5953	420.088	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	131152	109.711	ug/l	96
52) Toluene	10.240	92	108131	22.391	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	60404	22.315	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	65047	22.212	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	33407	22.603	ug/l	98
56) Ethyl methacrylate	10.508	69	42907	22.161	ug/l	96
57) 1,3-Dichloropropane	10.788	76	55021	22.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	76943	108.646	ug/l	91
59) 2-Hexanone	10.831	43	92218	109.861	ug/l	95
60) Dibromochloromethane	10.984	129	43617	22.382	ug/l	100
61) 1,2-Dibromoethane	11.087	107	31830	22.501	ug/l	98
64) Tetrachloroethene	10.715	164	51995	22.555	ug/l	99
65) Chlorobenzene	11.514	112	115625	21.514	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	44491	21.442	ug/l	97
67) Ethyl Benzene	11.593	91	204468	21.285	ug/l	98
68) m/p-Xylenes	11.703	106	164841	43.751	ug/l	97
69) o-Xylene	12.026	106	78064	21.761	ug/l	96
70) Styrene	12.044	104	131836	21.634	ug/l	99
71) Bromoform	12.209	173	28701	21.770	ug/l #	96
73) Isopropylbenzene	12.331	105	208267	20.902	ug/l	99
74) N-amyl acetate	12.142	43	43421	21.109	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	35052	20.913	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	29306m	20.383	ug/l	
77) Bromobenzene	12.605	156	50949	21.439	ug/l	94
78) n-propylbenzene	12.672	91	245462	21.103	ug/l	99
79) 2-Chlorotoluene	12.758	91	138294	20.785	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	183322	21.451	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	13509	20.867	ug/l	98
82) 4-Chlorotoluene	12.855	91	146917	21.111	ug/l	98
83) tert-Butylbenzene	13.075	119	156177	20.857	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	178199	21.065	ug/l	99
85) sec-Butylbenzene	13.251	105	227720	21.159	ug/l	98
86) p-Isopropyltoluene	13.367	119	196891	21.116	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	101576	21.323	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	100628	21.146	ug/l	100
89) n-Butylbenzene	13.696	91	172624	21.364	ug/l	98
90) Hexachloroethane	13.959	117	35516	20.532	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	90237	21.263	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7093	21.292	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	57675	21.798	ug/l	97
94) Hexachlorobutadiene	15.111	225	35517	22.248	ug/l	97
95) Naphthalene	15.233	128	113460	21.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	50839	22.100	ug/l	98

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

