

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012523\
 Data File : VY012356.D
 Acq On : 25 Jan 2023 14:56
 Operator : KP/MD
 Sample : VY0125SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0125SBS01

Quant Time: Jan 26 04:08:21 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

Manual Integrations APPROVED

Reviewed By :Krupa Patel 01/26/2023
 Supervised By :Mahesh Dadoda 01/26/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	167148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	251069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	233137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68509	49.401	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.800%		
35) Dibromofluoromethane	7.722	113	60447	45.469	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.940%		
50) Toluene-d8	10.179	98	223633	48.413	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.820%		
62) 4-Bromofluorobenzene	12.483	95	85877	45.824	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	30952	21.190	ug/l	98
3) Chloromethane	2.113	50	24984	18.528	ug/l	97
4) Vinyl Chloride	2.253	62	30787	19.560	ug/l	97
5) Bromomethane	2.644	94	26005	21.370	ug/l	97
6) Chloroethane	2.790	64	21067	20.523	ug/l	96
7) Trichlorofluoromethane	3.125	101	65463	21.310	ug/l	100
8) Diethyl Ether	3.528	74	17869	19.549	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	31111	20.809	ug/l	93
10) Methyl Iodide	4.095	142	37564	16.533	ug/l	94
11) Tert butyl alcohol	4.942	59	29491	175.712	ug/l #	90
12) 1,1-Dichloroethene	3.875	96	30823	20.078	ug/l	94
13) Acrolein	3.729	56	8795	126.715	ug/l	98
14) Allyl chloride	4.479	41	36639	19.302	ug/l #	81
15) Acrylonitrile	5.155	53	40919	102.485	ug/l	99
16) Acetone	3.948	43	44569	95.758	ug/l	99
17) Carbon Disulfide	4.192	76	91724	19.317	ug/l	99
18) Methyl Acetate	4.479	43	20529	19.711	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	87202	20.377	ug/l	95
20) Methylene Chloride	4.722	84	41597	15.932	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	34460	20.116	ug/l	98
22) Diisopropyl ether	6.119	45	75850	20.044	ug/l #	91
23) Vinyl Acetate	6.058	43	232970	98.796	ug/l #	90
24) 1,1-Dichloroethane	6.021	63	53335	20.320	ug/l	94
25) 2-Butanone	6.984	43	52182	101.555	ug/l #	89
26) 2,2-Dichloropropane	6.984	77	59322	20.819	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	38090	20.242	ug/l	95
28) Bromochloromethane	7.338	49	10784	18.812	ug/l #	70
29) Tetrahydrofuran	7.344	42	29054	102.940	ug/l #	81
30) Chloroform	7.509	83	63188	20.393	ug/l	99
31) Cyclohexane	7.783	56	48413	19.866	ug/l	84
32) 1,1,1-Trichloroethane	7.704	97	63607	20.736	ug/l	99
36) 1,1-Dichloropropene	7.917	75	45392	20.091	ug/l	97
37) Ethyl Acetate	7.070	43	19744	19.823	ug/l #	93
38) Carbon Tetrachloride	7.899	117	62009	21.251	ug/l	98
39) Methylcyclohexane	9.185	83	58447	21.168	ug/l	92
40) Benzene	8.161	78	133931	20.538	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	12001m	20.499	ug/l	
42) 1,2-Dichloroethane	8.234	62	44269	21.324	ug/l	98
43) Isopropyl Acetate	8.271	43	37076	20.008	ug/l #	92
44) Trichloroethene	8.941	130	39739	20.388	ug/l	97
45) 1,2-Dichloropropane	9.216	63	28064	20.625	ug/l	99
46) Dibromomethane	9.307	93	18864	20.709	ug/l	96
47) Bromodichloromethane	9.496	83	48025	20.944	ug/l	100
48) Methyl methacrylate	9.295	41	16911	19.806	ug/l	85
49) 1,4-Dioxane	9.301	88	5413	436.092	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	100923	102.137	ug/l	94
52) Toluene	10.246	92	90737	20.898	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	49568	20.666	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	52566	20.350	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	27669	21.379	ug/l	95
56) Ethyl methacrylate	10.508	69	34651	20.408	ug/l	93
57) 1,3-Dichloropropane	10.788	76	44012	20.823	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	57409	102.184	ug/l #	86
59) 2-Hexanone	10.831	43	76372	101.518	ug/l	94
60) Dibromochloromethane	10.984	129	36218	21.099	ug/l	99
61) 1,2-Dibromoethane	11.087	107	25836	20.688	ug/l	99
64) Tetrachloroethene	10.721	164	46070	21.656	ug/l	97
65) Chlorobenzene	11.514	112	96704	20.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	37312	20.723	ug/l	97
67) Ethyl Benzene	11.593	91	174620	20.483	ug/l	98
68) m/p-Xylenes	11.703	106	141094	41.859	ug/l	98
69) o-Xylene	12.032	106	66120	20.537	ug/l	97
70) Styrene	12.044	104	113398	21.080	ug/l	99
71) Bromoform	12.209	173	24432	21.239	ug/l #	100
73) Isopropylbenzene	12.331	105	181871	20.368	ug/l	99
74) N-amyl acetate	12.142	43	31669	18.093	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	28341	20.151	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	24754m	21.740	ug/l	
77) Bromobenzene	12.611	156	42188	19.635	ug/l	92
78) n-propylbenzene	12.672	91	209785	20.077	ug/l	98
79) 2-Chlorotoluene	12.758	91	118479	20.055	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	159201	20.509	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11011	19.925	ug/l	93
82) 4-Chlorotoluene	12.855	91	122575	19.752	ug/l	96
83) tert-Butylbenzene	13.075	119	133411	19.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	153484	20.050	ug/l	99
85) sec-Butylbenzene	13.251	105	194213	20.163	ug/l	97
86) p-Isopropyltoluene	13.367	119	172260	20.469	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	85671	20.048	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	84881	19.917	ug/l	100
89) n-Butylbenzene	13.696	91	143172	19.631	ug/l	98
90) Hexachloroethane	13.959	117	30245	19.907	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	74452	19.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5910	20.333	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	45093	18.456	ug/l	100
94) Hexachlorobutadiene	15.111	225	29154	19.819	ug/l	98
95) Naphthalene	15.239	128	87433	18.131	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	38668	18.392	ug/l	99

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

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