

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040622\
 Data File : VY008227.D
 Acq On : 06 Apr 2022 12:12
 Operator : SY/MD
 Sample : VY0406SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS02

Quant Time: Apr 07 02:10:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	146295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	250367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	227370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66560	45.347	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.700%		
35) Dibromofluoromethane	7.716	113	71745	45.705	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.420%		
50) Toluene-d8	10.179	98	264537	44.731	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.460%		
62) 4-Bromofluorobenzene	12.483	95	91428	43.819	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23992	18.192	ug/l	98
3) Chloromethane	2.113	50	31931	19.883	ug/l	98
4) Vinyl Chloride	2.253	62	41730	19.530	ug/l	98
5) Bromomethane	2.644	94	36352	20.759	ug/l	96
6) Chloroethane	2.790	64	27795	19.775	ug/l	98
7) Trichlorofluoromethane	3.125	101	48096	17.794	ug/l	95
8) Diethyl Ether	3.521	74	15924	18.192	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.893	101	29845	17.800	ug/l	93
10) Methyl Iodide	4.088	142	31021	17.000	ug/l	91
11) Tert butyl alcohol	4.960	59	12526	82.253	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	27874	17.958	ug/l	84
13) Acrolein	3.729	56	8769	70.745	ug/l	96
14) Allyl chloride	4.479	41	36295	17.772	ug/l #	91
15) Acrylonitrile	5.155	53	38354	91.991	ug/l	99
16) Acetone	3.948	43	29984	89.373	ug/l #	84
17) Carbon Disulfide	4.192	76	77755	17.679	ug/l	97
18) Methyl Acetate	4.472	43	17976	15.344	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	80240	18.190	ug/l	96
20) Methylene Chloride	4.716	84	39144	20.123	ug/l #	74
21) trans-1,2-Dichloroethene	5.216	96	33384	18.575	ug/l #	81
22) Diisopropyl ether	6.119	45	82823	18.851	ug/l #	89
23) Vinyl Acetate	6.058	43	259131	95.183	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	53801	18.496	ug/l	98
25) 2-Butanone	6.984	43	45651	89.416	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	48747	17.696	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	39145	18.790	ug/l	80
28) Bromochloromethane	7.332	49	19232	20.054	ug/l #	72
29) Tetrahydrofuran	7.350	42	30356	91.456	ug/l #	74
30) Chloroform	7.509	83	59150	18.780	ug/l	100
31) Cyclohexane	7.783	56	47267	17.228	ug/l #	79
32) 1,1,1-Trichloroethane	7.698	97	51837	17.813	ug/l	95
36) 1,1-Dichloropropene	7.917	75	44828	18.180	ug/l	96
37) Ethyl Acetate	7.070	43	21193	18.399	ug/l #	88
38) Carbon Tetrachloride	7.899	117	45605	16.972	ug/l	94
39) Methylcyclohexane	9.185	83	55873	16.788	ug/l #	83
40) Benzene	8.161	78	130144	18.452	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10853m	18.764	ug/l	
42) 1,2-Dichloroethane	8.240	62	35987	18.188	ug/l	91
43) Isopropyl Acetate	8.271	43	38856	17.184	ug/l #	84
44) Trichloroethene	8.941	130	36445	17.869	ug/l	99
45) 1,2-Dichloropropane	9.216	63	31172	18.753	ug/l	99
46) Dibromomethane	9.301	93	19981	18.281	ug/l	94
47) Bromodichloromethane	9.496	83	44269	17.713	ug/l	95
48) Methyl methacrylate	9.289	41	16759	16.733	ug/l #	77
49) 1,4-Dioxane	9.301	88	5204	358.158	ug/l #	71
51) 4-Methyl-2-Pentanone	10.069	43	100980	88.542	ug/l #	83
52) Toluene	10.246	92	84429	18.253	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	44707	17.450	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	51557	17.777	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	28136	18.643	ug/l	96
56) Ethyl methacrylate	10.508	69	34275	17.410	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	45551	18.441	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	70625	86.584	ug/l	90
59) 2-Hexanone	10.831	43	71378	89.441	ug/l	81
60) Dibromochloromethane	10.983	129	32658	17.792	ug/l	97
61) 1,2-Dibromoethane	11.087	107	27138	18.055	ug/l	100
64) Tetrachloroethene	10.721	164	30538	17.487	ug/l	98
65) Chlorobenzene	11.514	112	93849	18.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	33024	17.463	ug/l	97
67) Ethyl Benzene	11.593	91	161632	17.988	ug/l	99
68) m/p-Xylenes	11.703	106	128378	35.930	ug/l	90
69) o-Xylene	12.026	106	60541	17.697	ug/l	92
70) Styrene	12.044	104	101912	18.198	ug/l	92
71) Bromoform	12.209	173	19081	16.712	ug/l #	99
73) Isopropylbenzene	12.331	105	161104	17.684	ug/l	100
74) N-amyl acetate	12.142	43	33368	16.663	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	32413	18.305	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	23735m	17.642	ug/l	
77) Bromobenzene	12.611	156	37480	17.933	ug/l	94
78) n-propylbenzene	12.672	91	194882	18.136	ug/l	98
79) 2-Chlorotoluene	12.758	91	104779	17.578	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	133143	17.840	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	9882	16.388	ug/l #	83
82) 4-Chlorotoluene	12.855	91	111891	18.294	ug/l	96
83) tert-Butylbenzene	13.075	119	116169	17.472	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	131525	18.097	ug/l	98
85) sec-Butylbenzene	13.251	105	176037	17.937	ug/l	100
86) p-Isopropyltoluene	13.367	119	145868	17.859	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	75079	18.120	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	75324	18.228	ug/l	98
89) n-Butylbenzene	13.696	91	134409	17.886	ug/l	99
90) Hexachloroethane	13.965	117	25639	16.201	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	65901	18.065	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4715	16.683	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	38136	17.454	ug/l	98
94) Hexachlorobutadiene	15.111	225	19851	17.174	ug/l	96
95) Naphthalene	15.239	128	80669	16.703	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	32348	17.111	ug/l	98

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

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