

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007920.D
 Acq On : 18 Mar 2022 23:19
 Operator : SY/MD
 Sample : VY0318SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS02

Quant Time: Mar 19 01:40:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	251991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	441758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	386104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	138280	48.128	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.260%		
35) Dibromofluoromethane	7.716	113	147400	47.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.020%		
50) Toluene-d8	10.179	98	508734	54.892	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	109.780%		
62) 4-Bromofluorobenzene	12.483	95	193745	43.513	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	40826	22.220	ug/l	98
3) Chloromethane	2.113	50	56418	24.803	ug/l	99
4) Vinyl Chloride	2.253	62	69705	25.473	ug/l	96
5) Bromomethane	2.637	94	55476	30.598	ug/l	97
6) Chloroethane	2.790	64	48015	23.300	ug/l	100
7) Trichlorofluoromethane	3.125	101	98074	21.227	ug/l	92
8) Diethyl Ether	3.534	74	34733	20.256	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.899	101	62208	20.846	ug/l	91
10) Methyl Iodide	4.088	142	48708	17.658	ug/l	91
11) Tert butyl alcohol	4.948	59	31384	93.762	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	57585	21.045	ug/l	80
13) Acrolein	3.729	56	20331	100.847	ug/l	97
14) Allyl chloride	4.479	41	93959	20.415	ug/l #	91
15) Acrylonitrile	5.161	53	87218	95.444	ug/l	98
16) Acetone	3.948	43	63323	83.078	ug/l #	87
17) Carbon Disulfide	4.192	76	140697	24.181	ug/l	97
18) Methyl Acetate	4.479	43	45517	21.835	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	174382	20.317	ug/l	96
20) Methylene Chloride	4.716	84	81958	25.451	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	67312	21.974	ug/l	84
22) Diisopropyl ether	6.119	45	208274	21.035	ug/l	94
23) Vinyl Acetate	6.058	43	622333	100.349	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	121412	21.770	ug/l	100
25) 2-Butanone	6.984	43	110106	90.186	ug/l #	91
26) 2,2-Dichloropropane	6.978	77	100308	19.405	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	80026	21.765	ug/l	86
28) Bromochloromethane	7.332	49	45151	20.496	ug/l #	86
29) Tetrahydrofuran	7.344	42	75038	95.923	ug/l #	88
30) Chloroform	7.502	83	125320	21.739	ug/l	100
31) Cyclohexane	7.783	56	105822	22.709	ug/l #	86
32) 1,1,1-Trichloroethane	7.704	97	112505	21.669	ug/l	96
36) 1,1-Dichloropropene	7.917	75	92187	20.034	ug/l	98
37) Ethyl Acetate	7.076	43	51198	18.235	ug/l #	93
38) Carbon Tetrachloride	7.899	117	96298	19.585	ug/l	98
39) Methylcyclohexane	9.179	83	115094	20.703	ug/l	91
40) Benzene	8.161	78	269989	20.079	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	31696m	18.305	ug/l	
42) 1,2-Dichloroethane	8.234	62	74343	19.095	ug/l	91
43) Isopropyl Acetate	8.271	43	97495	18.012	ug/l #	90
44) Trichloroethene	8.941	130	72979	19.627	ug/l	95
45) 1,2-Dichloropropane	9.216	63	70129	20.142	ug/l	98
46) Dibromomethane	9.307	93	39076	19.185	ug/l	93
47) Bromodichloromethane	9.496	83	96030	19.516	ug/l	100
48) Methyl methacrylate	9.295	41	42502	17.651	ug/l #	87
49) 1,4-Dioxane	9.301	88	10417	361.121	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	254222	89.142	ug/l	90
52) Toluene	10.246	92	171556	19.866	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	96059	18.300	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	109890	18.773	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	55030	18.596	ug/l	96
56) Ethyl methacrylate	10.508	69	76498	18.007	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	93514	18.950	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	182124	87.391	ug/l	95
59) 2-Hexanone	10.831	43	174464	85.547	ug/l	89
60) Dibromochloromethane	10.984	129	65849	18.580	ug/l	99
61) 1,2-Dibromoethane	11.087	107	52327	18.278	ug/l	98
64) Tetrachloroethene	10.721	164	57724	19.212	ug/l	94
65) Chlorobenzene	11.514	112	186063	20.117	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	67582	19.407	ug/l	96
67) Ethyl Benzene	11.593	91	328344	19.929	ug/l	97
68) m/p-Xylenes	11.703	106	253819	39.493	ug/l	93
69) o-Xylene	12.032	106	123521	19.870	ug/l	93
70) Styrene	12.044	104	205543	19.666	ug/l	96
71) Bromoform	12.209	173	39684	17.791	ug/l #	97
73) Isopropylbenzene	12.331	105	326719	20.841	ug/l	99
74) N-amyl acetate	12.142	43	88760	19.191	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	65608	19.443	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	48906m	19.266	ug/l	
77) Bromobenzene	12.605	156	70518	19.685	ug/l	98
78) n-propylbenzene	12.672	91	388709	20.534	ug/l	99
79) 2-Chlorotoluene	12.758	91	220709	20.723	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	263689	20.454	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	21762	18.006	ug/l #	84
82) 4-Chlorotoluene	12.855	91	225761	20.405	ug/l	99
83) tert-Butylbenzene	13.075	119	237439	20.582	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	257897	20.407	ug/l	97
85) sec-Butylbenzene	13.251	105	356005	20.591	ug/l	100
86) p-Isopropyltoluene	13.367	119	284712	20.285	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	139004	19.868	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	140063	19.974	ug/l	97
89) n-Butylbenzene	13.696	91	270966	20.116	ug/l	99
90) Hexachloroethane	13.959	117	56692	20.236	ug/l	80
91) 1,2-Dichlorobenzene	13.739	146	123876	19.684	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10140	17.467	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	67889	17.065	ug/l	97
94) Hexachlorobutadiene	15.111	225	35571	16.760	ug/l	98
95) Naphthalene	15.239	128	156411	17.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	59192	16.870	ug/l	98

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

