

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007895.D
 Acq On : 18 Mar 2022 12:04
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 19 00:11:14 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	162540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	243683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	93330	50.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.720%			
35) Dibromofluoromethane	7.716	113	94889	49.160	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.320%			
50) Toluene-d8	10.179	98	322470	56.046	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.100%			
62) 4-Bromofluorobenzene	12.483	95	127230	45.928	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25749	21.609	ug/l	96
3) Chloromethane	2.113	50	34147	22.860	ug/l	94
4) Vinyl Chloride	2.247	62	40538	22.562	ug/l	95
5) Bromomethane	2.644	94	31389	26.056	ug/l	97
6) Chloroethane	2.796	64	27264	20.511	ug/l	91
7) Trichlorofluoromethane	3.125	101	59119	19.838	ug/l	96
8) Diethyl Ether	3.527	74	22710	20.533	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	38536	20.020	ug/l	91
10) Methyl Iodide	4.082	142	29770	16.732	ug/l	89
11) Tert butyl alcohol	4.948	59	23234	107.614	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	34048	19.291	ug/l	85
13) Acrolein	3.723	56	16315	125.463	ug/l	96
14) Allyl chloride	4.479	41	53650	18.072	ug/l #	91
15) Acrylonitrile	5.155	53	63080	107.018	ug/l	97
16) Acetone	3.942	43	50121	101.946	ug/l #	89
17) Carbon Disulfide	4.192	76	84896	22.230	ug/l	98
18) Methyl Acetate	4.479	43	32147	24.529	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	115237	20.815	ug/l	97
20) Methylene Chloride	4.710	84	47517	22.361	ug/l #	84
21) trans-1,2-Dichloroethene	5.222	96	39150	19.814	ug/l	83
22) Diisopropyl ether	6.112	45	126239	19.766	ug/l	97
23) Vinyl Acetate	6.058	43	417139	104.279	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	70876	19.702	ug/l	97
25) 2-Butanone	6.984	43	81772	103.838	ug/l #	84
26) 2,2-Dichloropropane	6.984	77	65342	19.598	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	47314	19.950	ug/l	86
28) Bromochloromethane	7.332	49	28841	20.298	ug/l #	86
29) Tetrahydrofuran	7.344	42	53805	106.632	ug/l	89
30) Chloroform	7.508	83	73953	19.889	ug/l	99
31) Cyclohexane	7.783	56	64315	21.091	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	64991	19.406	ug/l	96
36) 1,1-Dichloropropene	7.917	75	54994	19.210	ug/l	97
37) Ethyl Acetate	7.070	43	35540	20.345	ug/l #	89
38) Carbon Tetrachloride	7.899	117	58929	19.263	ug/l	97
39) Methylcyclohexane	9.185	83	69440	19.973	ug/l	89
40) Benzene	8.161	78	158823	18.985	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	22504m	20.889	ug/l	
42) 1,2-Dichloroethane	8.234	62	48109	19.862	ug/l	89
43) Isopropyl Acetate	8.271	43	67245	19.968	ug/l #	91
44) Trichloroethene	8.935	130	43789	18.929	ug/l	92
45) 1,2-Dichloropropane	9.216	63	41476	19.147	ug/l	98
46) Dibromomethane	9.301	93	24882	19.635	ug/l	94
47) Bromodichloromethane	9.496	83	59174	19.329	ug/l	98
48) Methyl methacrylate	9.289	41	28550	19.058	ug/l #	83
49) 1,4-Dioxane	9.289	88	7878	438.960	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	176534	99.494	ug/l	89
52) Toluene	10.240	92	102386	19.057	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	63047	19.305	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	69556	19.099	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	37464	20.349	ug/l	97
56) Ethyl methacrylate	10.508	69	51675	19.551	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	61203	19.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	121893	94.011	ug/l	94
59) 2-Hexanone	10.831	43	125257	98.718	ug/l	89
60) Dibromochloromethane	10.983	129	42605	19.322	ug/l	98
61) 1,2-Dibromoethane	11.087	107	35007	19.655	ug/l	100
64) Tetrachloroethene	10.721	164	36956	19.489	ug/l	93
65) Chlorobenzene	11.514	112	112169	19.216	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	42358	19.273	ug/l	95
67) Ethyl Benzene	11.593	91	196218	18.870	ug/l	95
68) m/p-Xylenes	11.703	106	154228	38.023	ug/l	94
69) o-Xylene	12.026	106	74363	18.953	ug/l	93
70) Styrene	12.044	104	124139	18.819	ug/l	97
71) Bromoform	12.209	173	28016	19.901	ug/l #	95
73) Isopropylbenzene	12.331	105	196746	18.903	ug/l	99
74) N-amyl acetate	12.142	43	59689	19.438	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	45905	20.490	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	33557m	19.911	ug/l	
77) Bromobenzene	12.611	156	44970	18.908	ug/l	96
78) n-propylbenzene	12.672	91	238501	18.977	ug/l	98
79) 2-Chlorotoluene	12.758	91	135185	19.118	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	162777	19.018	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15095	18.812	ug/l	86
82) 4-Chlorotoluene	12.855	91	140445	19.120	ug/l	99
83) tert-Butylbenzene	13.075	119	148171	19.345	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	159184	18.972	ug/l	98
85) sec-Butylbenzene	13.251	105	218168	19.006	ug/l	100
86) p-Isopropyltoluene	13.367	119	177234	19.019	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	88813	19.120	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	88153	18.935	ug/l	98
89) n-Butylbenzene	13.696	91	172220	19.257	ug/l	99
90) Hexachloroethane	13.959	117	35178	18.913	ug/l	80
91) 1,2-Dichlorobenzene	13.739	146	81010	19.389	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7360	19.095	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	46383	17.561	ug/l	98
94) Hexachlorobutadiene	15.111	225	23613	16.758	ug/l	96
95) Naphthalene	15.239	128	110603	18.769	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	40884	17.550	ug/l	96

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

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