

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007881.D
 Acq On : 17 Mar 2022 17:52
 Operator : SY/MD
 Sample : VY0317SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Quant Time: Mar 18 08:54:43 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 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	321576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	538769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	474668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	229536	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	148397	40.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.940%
35) Dibromofluoromethane	7.716	113	152700	40.357	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.720%
50) Toluene-d8	10.179	98	527481	45.702	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.400%
62) 4-Bromofluorobenzene	12.483	95	207164	38.149	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	52373	22.365	ug/l	98
3) Chloromethane	2.113	50	66109	22.226	ug/l	98
4) Vinyl Chloride	2.247	62	77956	21.814	ug/l	99
5) Bromomethane	2.637	94	58959	24.415	ug/l	97
6) Chloroethane	2.790	64	52343	19.904	ug/l	98
7) Trichlorofluoromethane	3.119	101	115679	19.620	ug/l	94
8) Diethyl Ether	3.527	74	44139	20.171	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	73058	19.184	ug/l	94
10) Methyl Iodide	4.088	142	60766	17.262	ug/l #	87
11) Tert butyl alcohol	4.954	59	42738	100.054	ug/l	98
12) 1,1-Dichloroethene	3.869	96	68392	19.586	ug/l #	79
13) Acrolein	3.723	56	30156	117.214	ug/l	100
14) Allyl chloride	4.479	41	109755	18.687	ug/l #	91
15) Acrylonitrile	5.161	53	114626	98.294	ug/l	97
16) Acetone	3.942	43	83497	85.842	ug/l #	85
17) Carbon Disulfide	4.192	76	164358	21.623	ug/l	99
18) Methyl Acetate	4.472	43	58803	22.185	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	212484	19.399	ug/l	97
20) Methylene Chloride	4.716	84	93736	22.281	ug/l #	86
21) trans-1,2-Dichloroethene	5.216	96	72638	18.581	ug/l	91
22) Diisopropyl ether	6.119	45	246904	19.540	ug/l #	92
23) Vinyl Acetate	6.058	43	789305	99.733	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	139068	19.540	ug/l	99
25) 2-Butanone	6.984	43	147816	94.874	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	124093	18.812	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	93036	19.828	ug/l	86
28) Bromochloromethane	7.332	49	51251	18.231	ug/l #	83
29) Tetrahydrofuran	7.344	42	97553	97.720	ug/l #	86
30) Chloroform	7.508	83	143790	19.546	ug/l	99
31) Cyclohexane	7.783	56	125591	20.748	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	126701	19.122	ug/l	96
36) 1,1-Dichloropropene	7.917	75	107250	19.111	ug/l	98
37) Ethyl Acetate	7.070	43	65000	18.982	ug/l #	91
38) Carbon Tetrachloride	7.899	117	111260	18.553	ug/l	98
39) Methylcyclohexane	9.179	83	137354	20.185	ug/l	94
40) Benzene	8.161	78	311464	18.992	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	35797m	16.951	ug/l	
42) 1,2-Dichloroethane	8.234	62	91503	19.271	ug/l	89
43) Isopropyl Acetate	8.271	43	125366	18.990	ug/l #	91
44) Trichloroethene	8.935	130	85556	18.867	ug/l	98
45) 1,2-Dichloropropane	9.216	63	80681	19.000	ug/l	96
46) Dibromomethane	9.307	93	47496	19.120	ug/l	94
47) Bromodichloromethane	9.496	83	113965	18.990	ug/l	98
48) Methyl methacrylate	9.289	41	54437	18.537	ug/l #	86
49) 1,4-Dioxane	9.295	88	13903	395.184	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	329683	94.787	ug/l	90
52) Toluene	10.246	92	197189	18.723	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	120908	18.886	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	132592	18.573	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	69636	19.295	ug/l	97
56) Ethyl methacrylate	10.508	69	97903	18.896	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	114276	18.988	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	232918	91.640	ug/l	96
59) 2-Hexanone	10.831	43	228268	91.775	ug/l	87
60) Dibromochloromethane	10.983	129	82517	19.090	ug/l	100
61) 1,2-Dibromoethane	11.087	107	66143	18.944	ug/l	99
64) Tetrachloroethene	10.715	164	70279	19.027	ug/l	97
65) Chlorobenzene	11.514	112	215458	18.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	82378	19.242	ug/l	96
67) Ethyl Benzene	11.593	91	383935	18.955	ug/l	99
68) m/p-Xylenes	11.703	106	298411	37.769	ug/l	94
69) o-Xylene	12.026	106	146756	19.203	ug/l	92
70) Styrene	12.044	104	245273	19.089	ug/l	96
71) Bromoform	12.209	173	52075	18.991	ug/l #	98
73) Isopropylbenzene	12.331	105	385003	19.056	ug/l	99
74) N-amyl acetate	12.142	43	114405	19.193	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	83596	19.222	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	61661m	18.847	ug/l	
77) Bromobenzene	12.605	156	89013	19.280	ug/l	99
78) n-propylbenzene	12.672	91	456919	18.728	ug/l	99
79) 2-Chlorotoluene	12.758	91	256814	18.710	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	315394	18.982	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	29496	18.936	ug/l #	84
82) 4-Chlorotoluene	12.855	91	265559	18.623	ug/l	99
83) tert-Butylbenzene	13.075	119	283492	19.067	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	305845	18.778	ug/l	97
85) sec-Butylbenzene	13.251	105	419347	18.819	ug/l	99
86) p-Isopropyltoluene	13.367	119	340459	18.821	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	169890	18.841	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	168707	18.668	ug/l	98
89) n-Butylbenzene	13.696	91	324506	18.692	ug/l	99
90) Hexachloroethane	13.959	117	69431	19.229	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	154547	19.055	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14162	18.928	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	90381	17.628	ug/l	99
94) Hexachlorobutadiene	15.111	225	47681	17.432	ug/l	98
95) Naphthalene	15.233	128	207318	18.124	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	78723	17.408	ug/l	97

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

