

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008991.D
 Acq On : 22 May 2022 08:55
 Operator : KP/MD
 Sample : N2919-06MS
 Misc : 4.88g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P028-SS001-0612-01MS

Quant Time: May 23 02:28:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

05/24/2022
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	52211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	102748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	100104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	44778	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	33008	61.428	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.860%
35) Dibromofluoromethane	7.710	113	31702	49.617	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.240%
50) Toluene-d8	10.179	98	85633	36.330	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	72.660%
62) 4-Bromofluorobenzene	12.477	95	35598	37.439	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.880%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	20312	42.535	ug/l	98
3) Chloromethane	2.107	50	43925	64.206	ug/l	96
4) Vinyl Chloride	2.247	62	53039	52.330	ug/l	99
5) Bromomethane	2.644	94	43885	44.171	ug/l	99
6) Chloroethane	2.790	64	44680	62.225	ug/l	95
7) Trichlorofluoromethane	3.125	101	39875	46.327	ug/l	100
8) Diethyl Ether	3.522	74	22098	82.106	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.900	101	24080	45.519	ug/l	94
10) Methyl Iodide	4.082	142	9444	17.289	ug/l #	90
11) Tert butyl alcohol	4.954	59	18545	340.247	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	23307	47.460	ug/l	86
14) Allyl chloride	4.473	41	35918	48.533	ug/l #	86
15) Acrylonitrile	5.155	53	45101	299.289	ug/l	97
16) Acetone	3.942	43	48068	429.744	ug/l #	86
17) Carbon Disulfide	4.192	76	63137	39.353	ug/l	99
18) Methyl Acetate	4.473	43	48501	139.248	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	112999	76.662	ug/l	99
20) Methylene Chloride	4.710	84	44272	74.860	ug/l	82
21) trans-1,2-Dichloroethene	5.216	96	34396	54.569	ug/l	84
22) Diisopropyl ether	6.113	45	119077	66.972	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	68033	63.973	ug/l	99
25) 2-Butanone	6.978	43	54072	270.656	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	38823	39.631	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	44854	63.126	ug/l	87
28) Bromochloromethane	7.326	49	28752	78.769	ug/l #	91
29) Tetrahydrofuran	7.344	42	51011	375.891	ug/l #	85
30) Chloroform	7.503	83	77039	67.110	ug/l	98
31) Cyclohexane	7.783	56	37675	35.839	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	54077	51.923	ug/l	99
36) 1,1-Dichloropropene	7.911	75	43036	39.579	ug/l	98
38) Carbon Tetrachloride	7.899	117	42970	37.777	ug/l	96
39) Methylcyclohexane	9.179	83	37272	26.556	ug/l	93
40) Benzene	8.155	78	159038	50.723	ug/l	96
41) Methacrylonitrile	7.326	41	16008m	55.000	ug/l	
42) 1,2-Dichloroethane	8.234	62	58855	63.924	ug/l	92
43) Isopropyl Acetate	8.271	43	7407	7.063	ug/l #	64

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44) Trichloroethene	8.935	130	37949	45.710	ug/l	95
45) 1,2-Dichloropropane	9.216	63	44755	59.446	ug/l	98
46) Dibromomethane	9.301	93	32422	67.727	ug/l	92
47) Bromodichloromethane	9.496	83	61384	56.106	ug/l	96
48) Methyl methacrylate	9.289	41	26920	57.484	ug/l #	86
49) 1,4-Dioxane	9.295	88	7620	1190.741	ug/l	86
51) 4-Methyl-2-Pentanone	10.069	43	175114	301.702	ug/l	94
52) Toluene	10.240	92	103373	47.177	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	55780	48.011	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	55087	44.105	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	39692	59.264	ug/l	97
57) 1,3-Dichloropropane	10.789	76	67451	61.738	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	109022	294.297	ug/l	97
59) 2-Hexanone	10.831	43	80822	203.378	ug/l	93
60) Dibromochloromethane	10.984	129	44594	54.927	ug/l	98
61) 1,2-Dibromoethane	11.087	107	37149	55.975	ug/l	97
64) Tetrachloroethene	10.721	164	43424	59.598	ug/l	98
65) Chlorobenzene	11.514	112	106039	46.152	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	44646	53.067	ug/l	95
67) Ethyl Benzene	11.593	91	177697	42.916	ug/l	98
68) m/p-Xylenes	11.697	106	146883	87.384	ug/l	91
69) o-Xylene	12.026	106	71197	45.612	ug/l	92
70) Styrene	12.044	104	60777	22.641	ug/l	96
71) Bromoform	12.203	173	25452	45.637	ug/l #	97
73) Isopropylbenzene	12.331	105	153883	45.959	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	46383	67.248	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	34819m	72.410	ug/l	
77) Bromobenzene	12.605	156	42043	54.168	ug/l	96
78) n-propylbenzene	12.672	91	176483	45.622	ug/l	99
79) 2-Chlorotoluene	12.758	91	107150	48.020	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	129590	46.176	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	9068	38.706	ug/l	92
82) 4-Chlorotoluene	12.855	91	115261	48.295	ug/l	97
83) tert-Butylbenzene	13.075	119	104898	42.131	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	136422	48.968	ug/l	99
85) sec-Butylbenzene	13.251	105	143048	37.551	ug/l	99
86) p-Isopropyltoluene	13.367	119	124230	39.106	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	70762	42.739	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	73040	43.910	ug/l	98
89) n-Butylbenzene	13.697	91	91710	31.556	ug/l	98
90) Hexachloroethane	13.959	117	21370	35.897	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	68651	46.973	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6991	65.287	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	21946	27.361	ug/l	99
94) Hexachlorobutadiene	15.111	225	8550	19.558	ug/l	98
95) Naphthalene	15.233	128	62317	38.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	18309	26.268	ug/l	99

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

