

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008963.D
 Acq On : 21 May 2022 20:29
 Operator : KP/MD
 Sample : N2919-03MSD
 Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P015-SS002-0006-01MSD

Quant Time: May 21 21:33:14 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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	76472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	140016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	117076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	40648	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	40616	51.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.220%	
35) Dibromofluoromethane	7.710	113	41991	48.228	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.460%	
50) Toluene-d8	10.179	98	121802	37.920	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 75.840%	
62) 4-Bromofluorobenzene	12.477	95	42454	32.765	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 65.540%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	45538	65.108	ug/l	97
3) Chloromethane	2.107	50	77821	77.664	ug/l	95
4) Vinyl Chloride	2.241	62	121523	81.860	ug/l	98
5) Bromomethane	2.637	94	69279	47.608	ug/l	96
6) Chloroethane	2.784	64	83767	79.649	ug/l	100
7) Trichlorofluoromethane	3.119	101	77752	61.674	ug/l	95
8) Diethyl Ether	3.521	74	27773	70.453	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.887	101	40574	52.365	ug/l	92
10) Methyl Iodide	4.076	142	24843	31.051	ug/l	92
11) Tert butyl alcohol	4.954	59	22621	283.360	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	43373	60.301	ug/l	82
14) Allyl chloride	4.473	41	57158	52.730	ug/l #	85
15) Acrylonitrile	5.149	53	52740	238.948	ug/l	98
16) Acetone	3.942	43	51692	315.527	ug/l	98
17) Carbon Disulfide	4.186	76	128711	54.773	ug/l	99
18) Methyl Acetate	4.473	43	73956	144.968	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	143518	66.477	ug/l	98
20) Methylene Chloride	4.710	84	58884	67.096	ug/l #	82
21) trans-1,2-Dichloroethene	5.204	96	55651	60.280	ug/l	84
22) Diisopropyl ether	6.119	45	153895	59.095	ug/l #	89
24) 1,1-Dichloroethane	6.009	63	97253	62.437	ug/l	99
25) 2-Butanone	6.978	43	81780	279.481	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	73747	51.398	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	62266	59.830	ug/l	87
28) Bromochloromethane	7.326	49	34871	65.224	ug/l	91
29) Tetrahydrofuran	7.338	42	62702	315.456	ug/l #	86
30) Chloroform	7.502	83	101845	60.572	ug/l	95
31) Cyclohexane	7.783	56	60137	39.058	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	86044	56.407	ug/l	99
36) 1,1-Dichloropropene	7.911	75	70771	47.763	ug/l	98
38) Carbon Tetrachloride	7.893	117	71919	46.399	ug/l	93
39) Methylcyclohexane	9.179	83	45169	23.617	ug/l	91
40) Benzene	8.155	78	228298	53.432	ug/l	100
41) Methacrylonitrile	7.344	41	49273	124.230	ug/l #	43
42) 1,2-Dichloroethane	8.234	62	73166	58.316	ug/l	92
43) Isopropyl Acetate	8.271	43	14317	10.018	ug/l #	63

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.935	130	52774	46.648	ug/l	96
45) 1,2-Dichloropropane	9.209	63	57382	55.931	ug/l	93
46) Dibromomethane	9.301	93	38345	58.779	ug/l	92
47) Bromodichloromethane	9.490	83	80251	53.827	ug/l	98
48) Methyl methacrylate	9.289	41	35828	56.143	ug/l #	80
49) 1,4-Dioxane	9.295	88	9738	1116.677	ug/l	85
51) 4-Methyl-2-Pentanone	10.069	43	216756	274.046	ug/l	92
52) Toluene	10.240	92	138544	46.399	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	70245	44.368	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	70004	41.130	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	49466	54.199	ug/l	95
56) Ethyl methacrylate	10.508	69	8895	7.623	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	84128	56.507	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	148253	293.678	ug/l	96
59) 2-Hexanone	10.831	43	112630	207.981	ug/l	92
60) Dibromochloromethane	10.984	129	54400	49.171	ug/l	97
61) 1,2-Dibromoethane	11.087	107	44393	49.086	ug/l	99
64) Tetrachloroethene	10.715	164	40054	47.003	ug/l	97
65) Chlorobenzene	11.514	112	130496	48.563	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	54070	54.952	ug/l	96
67) Ethyl Benzene	11.593	91	223524	46.157	ug/l	97
68) m/p-Xylenes	11.697	106	173138	88.072	ug/l	89
69) o-Xylene	12.026	106	87499	47.930	ug/l	90
70) Styrene	12.044	104	150916	48.071	ug/l	94
71) Bromoform	12.209	173	33456	51.292	ug/l #	99
73) Isopropylbenzene	12.325	105	181188	59.612	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	55645	88.874	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	64364	147.451	ug/l #	100
77) Bromobenzene	12.605	156	49149	69.758	ug/l	99
78) n-propylbenzene	12.666	91	189476	53.957	ug/l	100
79) 2-Chlorotoluene	12.752	91	116664	57.596	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	132246	51.910	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	12293	57.802	ug/l	88
82) 4-Chlorotoluene	12.849	91	118045	54.487	ug/l	97
83) tert-Butylbenzene	13.075	119	106753	47.232	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	134487	53.178	ug/l	96
85) sec-Butylbenzene	13.251	105	128023	37.021	ug/l	98
86) p-Isopropyltoluene	13.367	119	78530	27.232	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	69549	46.275	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	71084	47.076	ug/l	99
89) n-Butylbenzene	13.696	91	61786	23.420	ug/l	98
90) Hexachloroethane	13.959	117	19207	35.542	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	62120	46.823	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7184	73.905	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	13685	18.795	ug/l	95
94) Hexachlorobutadiene	15.111	225	4276	10.775	ug/l	99
95) Naphthalene	15.233	128	51754	35.382	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	11550	18.254	ug/l	95

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

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