

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009044.D
 Acq On : 24 May 2022 06:40
 Operator : KP/MD
 Sample : N2948-03MSD
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P035-SS001-0006-01MSD

Quant Time: May 24 07:50:00 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	72854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	133987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	133686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	38759	51.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.380%			
35) Dibromofluoromethane	7.722	113	39373	47.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.520%			
50) Toluene-d8	10.179	98	115332	37.522	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 75.040%			
62) 4-Bromofluorobenzene	12.483	95	51045	41.168	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37052	55.606	ug/l	99
3) Chloromethane	2.113	50	63169	66.172	ug/l	94
4) Vinyl Chloride	2.247	62	87401	61.799	ug/l	98
5) Bromomethane	2.643	94	61778	44.562	ug/l	97
6) Chloroethane	2.790	64	61087	60.969	ug/l	100
7) Trichlorofluoromethane	3.125	101	63160	52.587	ug/l	97
8) Diethyl Ether	3.527	74	25296	67.357	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	33973	46.024	ug/l	94
10) Methyl Iodide	4.088	142	25848	33.911	ug/l	92
11) Tert butyl alcohol	4.948	59	22469	295.434	ug/l #	90
12) 1,1-Dichloroethene	3.875	96	38286	55.872	ug/l	86
14) Allyl chloride	4.478	41	53303	51.616	ug/l #	88
15) Acrylonitrile	5.161	53	44406	211.181	ug/l	99
16) Acetone	3.942	43	53059	339.955	ug/l	91
17) Carbon Disulfide	4.192	76	112460	50.234	ug/l	96
18) Methyl Acetate	4.478	43	51006	104.946	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	129433	62.930	ug/l	95
20) Methylene Chloride	4.716	84	57898	69.557	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	48627	55.287	ug/l #	78
22) Diisopropyl ether	6.118	45	137168	55.288	ug/l	91
24) 1,1-Dichloroethane	6.015	63	85197	57.413	ug/l	97
25) 2-Butanone	6.984	43	83792	300.578	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	63929	46.768	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	56100	56.582	ug/l	87
28) Bromochloromethane	7.332	49	32211	63.241	ug/l #	94
29) Tetrahydrofuran	7.344	42	62557	330.356	ug/l #	87
30) Chloroform	7.502	83	91960	57.409	ug/l	97
31) Cyclohexane	7.789	56	57593	39.263	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	75327	51.833	ug/l	100
36) 1,1-Dichloropropene	7.917	75	62817	44.302	ug/l	100
37) Ethyl Acetate	7.069	43	9261	12.591	ug/l #	82
38) Carbon Tetrachloride	7.905	117	62020	41.813	ug/l	95
39) Methylcyclohexane	9.185	83	60801	33.221	ug/l	87
40) Benzene	8.161	78	201485	49.278	ug/l	98
41) Methacrylonitrile	7.319	41	12291m	32.383	ug/l	
42) 1,2-Dichloroethane	8.234	62	67503	56.223	ug/l	94

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43) Isopropyl Acetate	8.270	43	26232	19.181	ug/l #	64
44) Trichloroethene	8.941	130	46665	43.104	ug/l	99
45) 1,2-Dichloropropane	9.215	63	51577	52.535	ug/l	97
46) Dibromomethane	9.307	93	36199	57.987	ug/l	92
47) Bromodichloromethane	9.496	83	73514	51.527	ug/l	96
48) Methyl methacrylate	9.295	41	33568	54.968	ug/l #	81
49) 1,4-Dioxane	9.295	88	9484	1136.487	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	221894	293.166	ug/l	94
52) Toluene	10.246	92	126765	44.364	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	70796	46.729	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	72736	44.658	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	46943	53.749	ug/l	97
56) Ethyl methacrylate	10.508	69	17075	15.292	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	76992	54.041	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	148226	306.837	ug/l	97
59) 2-Hexanone	10.831	43	144963	279.732	ug/l	91
60) Dibromochloromethane	10.983	129	52173	49.280	ug/l	99
61) 1,2-Dibromoethane	11.087	107	44821	51.789	ug/l	99
64) Tetrachloroethene	10.721	164	40726	41.854	ug/l	96
65) Chlorobenzene	11.514	112	123947	40.395	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	50432	44.887	ug/l	97
67) Ethyl Benzene	11.593	91	214233	38.742	ug/l	98
68) m/p-Xylenes	11.703	106	172258	76.737	ug/l	93
69) o-Xylene	12.032	106	83996	40.294	ug/l	91
70) Styrene	12.044	104	146441	40.850	ug/l	94
71) Bromoform	12.209	173	32561	43.718	ug/l #	98
73) Isopropylbenzene	12.331	105	195679	39.847	ug/l	100
74) N-amyl acetate	12.142	43	7689	6.786	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	56046	55.403	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	42943m	60.889	ug/l	
77) Bromobenzene	12.611	156	50002	43.924	ug/l	99
78) n-propylbenzene	12.672	91	230235	40.579	ug/l	98
79) 2-Chlorotoluene	12.757	91	130904	39.999	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	159971	38.864	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	13688	39.835	ug/l	92
82) 4-Chlorotoluene	12.855	91	140720	40.201	ug/l	98
83) tert-Butylbenzene	13.074	119	140952	38.598	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	160036	39.166	ug/l	96
85) sec-Butylbenzene	13.251	105	206239	36.913	ug/l	100
86) p-Isopropyltoluene	13.367	119	164901	35.392	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	90377	37.218	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	91970	37.698	ug/l	98
89) n-Butylbenzene	13.696	91	139143	32.643	ug/l	99
90) Hexachloroethane	13.958	117	31580	36.168	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	83693	39.044	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8323	52.994	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	31621	26.879	ug/l	99
94) Hexachlorobutadiene	15.111	225	17325	27.020	ug/l	98
95) Naphthalene	15.239	128	83676	35.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	28062	27.450	ug/l	99

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