

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008992.D
 Acq On : 22 May 2022 09:17
 Operator : KP/MD
 Sample : N2919-07MSD
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 59 Sample Multiplier: 1

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

Quant Time: May 23 02:29:09 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	90044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	161937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	150587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	77460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	43293	46.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.440%		
35) Dibromofluoromethane	7.716	113	42957	42.659	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.320%		
50) Toluene-d8	10.179	98	138746	37.348	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	74.700%		
62) 4-Bromofluorobenzene	12.483	95	62895	41.970	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	45255	54.951	ug/l	97
3) Chloromethane	2.113	50	74894	63.477	ug/l	96
4) Vinyl Chloride	2.247	62	112865	64.568	ug/l	96
5) Bromomethane	2.637	94	66071	38.560	ug/l	99
6) Chloroethane	2.790	64	76029	61.395	ug/l	99
7) Trichlorofluoromethane	3.119	101	79827	53.776	ug/l	94
8) Diethyl Ether	3.527	74	27777	59.843	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	45692	50.082	ug/l	94
10) Methyl Iodide	4.088	142	26363	27.984	ug/l	93
11) Tert butyl alcohol	4.948	59	25843	274.927	ug/l #	93
12) 1,1-Dichloroethene	3.863	96	45319	53.510	ug/l	86
14) Allyl chloride	4.472	41	62620	49.061	ug/l #	89
15) Acrylonitrile	5.161	53	58464	224.957	ug/l	97
16) Acetone	3.942	43	64526	334.500	ug/l	93
17) Carbon Disulfide	4.186	76	122997	44.452	ug/l	99
18) Methyl Acetate	4.472	43	55011	91.579	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	148641	58.472	ug/l	96
20) Methylene Chloride	4.710	84	58623	55.244	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	57955	53.313	ug/l	91
22) Diisopropyl ether	6.118	45	158690	51.752	ug/l #	89
24) 1,1-Dichloroethane	6.015	63	100925	55.028	ug/l	99
25) 2-Butanone	6.978	43	88506	256.877	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	62380	36.923	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	65221	53.223	ug/l	85
28) Bromochloromethane	7.331	49	38075	60.483	ug/l #	92
29) Tetrahydrofuran	7.344	42	67233	287.268	ug/l #	86
30) Chloroform	7.502	83	109490	55.304	ug/l	98
31) Cyclohexane	7.783	56	79468	43.833	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	93023	51.790	ug/l	98
36) 1,1-Dichloropropene	7.911	75	79214	46.224	ug/l	99
38) Carbon Tetrachloride	7.898	117	78527	43.804	ug/l	99
39) Methylcyclohexane	9.179	83	80613	36.443	ug/l	90
40) Benzene	8.154	78	243253	49.225	ug/l	98
41) Methacrylonitrile	7.319	41	16163m	35.235	ug/l	
42) 1,2-Dichloroethane	8.234	62	77973	53.735	ug/l	95
43) Isopropyl Acetate	8.270	43	20868	12.625	ug/l #	64

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.941	130	63083	48.212	ug/l	100
45) 1,2-Dichloropropane	9.209	63	62079	52.318	ug/l	99
46) Dibromomethane	9.301	93	42154	55.871	ug/l	92
47) Bromodichloromethane	9.496	83	85666	49.681	ug/l	99
48) Methyl methacrylate	9.288	41	36996	50.125	ug/l #	81
49) 1,4-Dioxane	9.295	88	11057	1096.294	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	243994	266.725	ug/l	92
52) Toluene	10.239	92	164402	47.605	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	77822	42.500	ug/l	96
54) cis-1,3-Dichloropropene	9.922	75	77596	39.419	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	54754	51.872	ug/l	99
56) Ethyl methacrylate	10.508	69	13217	9.794	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	90766	52.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	151122	258.837	ug/l	95
59) 2-Hexanone	10.831	43	101052	161.342	ug/l	90
60) Dibromochloromethane	10.983	129	62279	48.672	ug/l	98
61) 1,2-Dibromoethane	11.087	107	51106	48.859	ug/l	100
64) Tetrachloroethene	10.715	164	78834	71.924	ug/l	97
65) Chlorobenzene	11.514	112	162201	46.929	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	65536	51.783	ug/l	97
67) Ethyl Benzene	11.593	91	294141	47.223	ug/l	95
68) m/p-Xylenes	11.703	106	248077	98.110	ug/l	90
69) o-Xylene	12.026	106	116177	49.477	ug/l	91
70) Styrene	12.044	104	164132	40.646	ug/l	96
71) Bromoform	12.209	173	41361	49.300	ug/l #	98
73) Isopropylbenzene	12.331	105	281399	48.584	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	67538	56.605	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	50387m	60.574	ug/l	
77) Bromobenzene	12.605	156	65668	48.910	ug/l	96
78) n-propylbenzene	12.672	91	333610	49.853	ug/l	100
79) 2-Chlorotoluene	12.757	91	187153	48.485	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	234875	48.380	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	14350	35.408	ug/l	88
82) 4-Chlorotoluene	12.855	91	200239	48.501	ug/l	97
83) tert-Butylbenzene	13.074	119	197305	45.810	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	236505	49.074	ug/l	97
85) sec-Butylbenzene	13.251	105	289945	43.999	ug/l	99
86) p-Isopropyltoluene	13.367	119	236891	43.108	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	128580	44.894	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	130221	45.256	ug/l	97
89) n-Butylbenzene	13.696	91	189910	37.775	ug/l	99
90) Hexachloroethane	13.958	117	41512	40.310	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	117513	46.481	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10293	55.567	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	44212	31.864	ug/l	97
94) Hexachlorobutadiene	15.111	225	19414	25.672	ug/l	98
95) Naphthalene	15.232	128	112937	40.517	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	37949	31.474	ug/l	97

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

