

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008882.D
 Acq On : 19 May 2022 20:51
 Operator : KP/MD
 Sample : N2868-18MSD
 Misc : 4.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 N2868-16MSDMSD

Manual Integrations
 APPROVED

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

Quant Time: May 20 02:54:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	107758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	183831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	174828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52580	52.597	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.200%			
35) Dibromofluoromethane	7.716	113	46535	43.325	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.660%			
50) Toluene-d8	10.179	98	186179	39.694	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 79.380%			
62) 4-Bromofluorobenzene	12.483	95	59986	36.239	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33206	49.474	ug/l	99
3) Chloromethane	2.113	50	53393	56.054	ug/l	94
4) Vinyl Chloride	2.247	62	79102	54.914	ug/l	96
5) Bromomethane	2.644	94	67498	53.817	ug/l	97
6) Chloroethane	2.790	64	56955	51.243	ug/l	96
7) Trichlorofluoromethane	3.125	101	69769	48.099	ug/l	95
8) Diethyl Ether	3.528	74	25397	53.193	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.899	101	43150	48.466	ug/l	94
10) Methyl Iodide	4.088	142	40581	36.350	ug/l	93
11) Tert butyl alcohol	4.954	59	27681	250.541	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	40346	44.125	ug/l	81
13) Acrolein	3.717	56	2725	49.857	ug/l	86
14) Allyl chloride	4.473	41	60516	44.995	ug/l #	84
15) Acrylonitrile	5.161	53	77500	239.370	ug/l	99
16) Acetone	3.948	43	60856	275.624	ug/l	95
17) Carbon Disulfide	4.186	76	104587	44.077	ug/l	99
18) Methyl Acetate	4.479	43	63126	92.920	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	144326	58.607	ug/l	94
20) Methylene Chloride	4.710	84	55451	54.396	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	50775	45.289	ug/l	86
22) Diisopropyl ether	6.119	45	159810	56.107	ug/l #	89
23) Vinyl Acetate	6.058	43	187357m	93.292	ug/l	
24) 1,1-Dichloroethane	6.015	63	95871	50.726	ug/l	99
25) 2-Butanone	6.984	43	105219	250.805	ug/l #	86
26) 2,2-Dichloropropane	6.984	77	83638	46.561	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	61584	49.525	ug/l	88
28) Bromochloromethane	7.332	49	40889	57.065	ug/l #	90
29) Tetrahydrofuran	7.344	42	71832	257.030	ug/l #	85
30) Chloroform	7.502	83	103099	50.879	ug/l	95
31) Cyclohexane	7.783	56	73704	46.456	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	90949	48.409	ug/l	99
36) 1,1-Dichloropropene	7.917	75	73385	42.659	ug/l	97
37) Ethyl Acetate	7.076	43	24952	24.340	ug/l	96
38) Carbon Tetrachloride	7.899	117	77993	42.304	ug/l	99
39) Methylcyclohexane	9.179	83	79991	39.210	ug/l	90
40) Benzene	8.161	78	224753	46.692	ug/l	97

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41) Methacrylonitrile	7.320	41	23902m	44.335	ug/l	
42) 1,2-Dichloroethane	8.234	62	74095	52.439	ug/l	94
43) Isopropyl Acetate	8.271	43	66654	39.057	ug/l #	87
44) Trichloroethene	8.935	130	58405	44.605	ug/l	97
45) 1,2-Dichloropropane	9.216	63	58970	51.548	ug/l	91
46) Dibromomethane	9.301	93	38570	51.309	ug/l	93
47) Bromodichloromethane	9.496	83	85793	51.482	ug/l	99
48) Methyl methacrylate	9.289	41	45264	60.405	ug/l #	87
49) 1,4-Dioxane	9.289	88	11345	1004.784	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	269569	267.571	ug/l	92
52) Toluene	10.246	92	154105	47.115	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	88411	51.077	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	92340	49.471	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	55000	53.805	ug/l	98
56) Ethyl methacrylate	10.508	69	47020	37.913	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	88231	52.493	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	186192	294.411	ug/l	94
59) 2-Hexanone	10.831	43	180676	250.994	ug/l	89
60) Dibromochloromethane	10.984	129	64389	52.471	ug/l	99
61) 1,2-Dibromoethane	11.087	107	52856	51.850	ug/l	99
64) Tetrachloroethene	10.721	164	56328	50.333	ug/l	98
65) Chlorobenzene	11.514	112	159398	45.049	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	64180	49.649	ug/l	96
67) Ethyl Benzene	11.593	91	286585	45.354	ug/l	97
68) m/p-Xylenes	11.703	106	232976	92.549	ug/l	91
69) o-Xylene	12.032	106	112234	48.252	ug/l	89
70) Styrene	12.044	104	187893	47.719	ug/l	95
71) Bromoform	12.209	173	44391	50.586	ug/l #	100
73) Isopropylbenzene	12.331	105	282728	47.907	ug/l	99
74) N-amyl acetate	12.142	43	42548	30.205	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	72122	54.971	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	53556m	53.880	ug/l	
77) Bromobenzene	12.611	156	66177	48.394	ug/l	98
78) n-propylbenzene	12.672	91	337677	46.576	ug/l	99
79) 2-Chlorotoluene	12.758	91	184442	46.969	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	227349	47.713	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	23599	51.930	ug/l	86
82) 4-Chlorotoluene	12.855	91	198806	47.922	ug/l	96
83) tert-Butylbenzene	13.075	119	206279	48.137	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	232295	49.245	ug/l	98
85) sec-Butylbenzene	13.251	105	307088	45.932	ug/l	99
86) p-Isopropyltoluene	13.367	119	247945	45.482	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	127738	44.458	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	128158	45.094	ug/l	99
89) n-Butylbenzene	13.696	91	207187	40.040	ug/l	100
90) Hexachloroethane	13.959	117	46010	44.640	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	115329	45.899	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11047	49.244	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	45642	33.264	ug/l	99
94) Hexachlorobutadiene	15.111	225	22958	29.077	ug/l	99
95) Naphthalene	15.239	128	124181	40.485	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	39839	33.052	ug/l	99

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

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