

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009006.D
 Acq On : 23 May 2022 15:07
 Operator : KP/MD
 Sample : N2887-05MS
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P038-SS001-0006-01MS

Quant Time: May 24 01:48:05 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	81739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	141960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	122049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	47999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	40953	48.681	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.360%		
35) Dibromofluoromethane	7.710	113	40631	46.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.060%		
50) Toluene-d8	10.179	98	118555	36.404	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	72.800%		
62) 4-Bromofluorobenzene	12.477	95	45078	34.314	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	68.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	45408	60.738	ug/l	95
3) Chloromethane	2.107	50	79629	74.348	ug/l	96
4) Vinyl Chloride	2.247	62	116282	73.282	ug/l	97
5) Bromomethane	2.643	94	95258	61.243	ug/l	99
6) Chloroethane	2.790	64	79042	70.314	ug/l	99
7) Trichlorofluoromethane	3.119	101	77423	57.456	ug/l	90
8) Diethyl Ether	3.521	74	27243	64.656	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	43332	52.321	ug/l	92
10) Methyl Iodide	4.088	142	41835	48.919	ug/l	94
11) Tert butyl alcohol	4.954	59	23671	277.407	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	44614	58.029	ug/l	85
13) Acrolein	3.722	56	1745	62.129	ug/l	99
14) Allyl chloride	4.478	41	70986	61.267	ug/l #	88
15) Acrylonitrile	5.155	53	71542	303.248	ug/l	99
16) Acetone	3.942	43	63119	360.452	ug/l #	89
17) Carbon Disulfide	4.186	76	140920	56.105	ug/l	98
18) Methyl Acetate	4.472	43	120020	220.102	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	146231	63.369	ug/l	98
20) Methylene Chloride	4.710	84	58465	61.642	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	56916	57.677	ug/l	87
22) Diisopropyl ether	6.112	45	163447	58.719	ug/l	94
23) Vinyl Acetate	6.112	43	166228m	90.279	ug/l	
24) 1,1-Dichloroethane	6.015	63	97369	58.484	ug/l	98
25) 2-Butanone	6.978	43	99458	317.993	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	87227	56.875	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	63815	57.367	ug/l	88
28) Bromochloromethane	7.325	49	32615	57.074	ug/l #	90
29) Tetrahydrofuran	7.344	42	68118	320.621	ug/l #	87
30) Chloroform	7.502	83	103183	57.414	ug/l	99
31) Cyclohexane	7.783	56	72811	44.242	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	89183	54.697	ug/l	98
36) 1,1-Dichloropropene	7.917	75	72958	48.564	ug/l	99
37) Ethyl Acetate	7.069	43	21366	27.418	ug/l	97
38) Carbon Tetrachloride	7.899	117	77125	49.076	ug/l	97
39) Methylcyclohexane	9.179	83	63475	32.734	ug/l	90
40) Benzene	8.155	78	234584	54.151	ug/l	95

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41) Methacrylonitrile	7.313	41	24639m	61.271	ug/l	
42) 1,2-Dichloroethane	8.234	62	74586	58.634	ug/l	95
43) Isopropyl Acetate	8.270	43	48610	33.547	ug/l #	88
44) Trichloroethene	8.935	130	55294	48.206	ug/l	100
45) 1,2-Dichloropropane	9.215	63	59330	57.038	ug/l	96
46) Dibromomethane	9.301	93	37485	56.674	ug/l	93
47) Bromodichloromethane	9.496	83	82617	54.655	ug/l	93
48) Methyl methacrylate	9.289	41	46509	71.882	ug/l #	84
49) 1,4-Dioxane	9.295	88	10731	1213.696	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	244119	304.415	ug/l	92
52) Toluene	10.240	92	146237	48.304	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	86692	54.007	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	92085	53.363	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	50235	54.288	ug/l	99
56) Ethyl methacrylate	10.508	69	44614	37.711	ug/l	86
57) 1,3-Dichloropropane	10.788	76	84442	55.941	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	136340	266.381	ug/l	98
59) 2-Hexanone	10.831	43	161821	294.725	ug/l	93
60) Dibromochloromethane	10.983	129	57898	51.616	ug/l	100
61) 1,2-Dibromoethane	11.087	107	48956	53.390	ug/l	100
64) Tetrachloroethene	10.715	164	44062	49.600	ug/l	97
65) Chlorobenzene	11.514	112	137277	49.005	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	58402	56.936	ug/l	98
67) Ethyl Benzene	11.593	91	244774	48.486	ug/l	96
68) m/p-Xylenes	11.703	106	197137	96.194	ug/l	92
69) o-Xylene	12.026	106	95149	49.997	ug/l	91
70) Styrene	12.044	104	161556	49.363	ug/l	95
71) Bromoform	12.209	173	37212	54.726	ug/l #	99
73) Isopropylbenzene	12.331	105	218381	60.846	ug/l	99
74) N-amyl acetate	12.142	43	13214	15.957	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	60987	82.488	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	44040m	85.440	ug/l	
77) Bromobenzene	12.605	156	52865	63.541	ug/l	100
78) n-propylbenzene	12.672	91	240771	58.064	ug/l	100
79) 2-Chlorotoluene	12.757	91	136206	56.945	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	168050	55.862	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	21580	85.930	ug/l #	75
82) 4-Chlorotoluene	12.855	91	142727	55.790	ug/l	97
83) tert-Butylbenzene	13.074	119	146845	55.020	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	169074	56.616	ug/l	98
85) sec-Butylbenzene	13.251	105	190027	46.536	ug/l	100
86) p-Isopropyltoluene	13.367	119	152372	44.746	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	84576	47.655	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	86185	48.336	ug/l	98
89) n-Butylbenzene	13.696	91	106731	34.260	ug/l	100
90) Hexachloroethane	13.958	117	30854	48.350	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	76530	48.850	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8424	73.390	ug/l	86
93) 1,2,4-Trichlorobenzene	15.001	180	19533	22.718	ug/l	96
94) Hexachlorobutadiene	15.111	225	8671	18.504	ug/l	94
95) Naphthalene	15.233	128	67502	39.081	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	16933	22.663	ug/l	97

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

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