

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009043.D
 Acq On : 24 May 2022 06:18
 Operator : KP/MD
 Sample : N2948-02MS
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 52 Sample Multiplier: 1

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

Quant Time: May 24 07:49:33 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	47382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	88917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	65076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	21479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	34721	71.201	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.400%			
35) Dibromofluoromethane	7.716	113	33170	59.990	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.980%			
50) Toluene-d8	10.179	98	82754	40.569	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 81.140%			
62) 4-Bromofluorobenzene	12.483	95	29284	35.589	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 71.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36199	83.530	ug/l	97
3) Chloromethane	2.113	50	59008	95.044	ug/l	97
4) Vinyl Chloride	2.247	62	87594	95.231	ug/l	96
5) Bromomethane	2.644	94	51774	57.422	ug/l	93
6) Chloroethane	2.790	64	61174	93.878	ug/l	99
7) Trichlorofluoromethane	3.119	101	60742	77.762	ug/l	98
8) Diethyl Ether	3.521	74	23582	96.549	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.899	101	34365	71.582	ug/l	95
10) Methyl Iodide	4.088	142	12193	24.596	ug/l	93
11) Tert butyl alcohol	4.948	59	18666	377.370	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	35445	79.533	ug/l #	79
14) Allyl chloride	4.479	41	47929	71.362	ug/l #	87
15) Acrylonitrile	5.161	53	35283	257.999	ug/l	98
16) Acetone	3.942	43	50825	500.703	ug/l	92
17) Carbon Disulfide	4.192	76	100299	68.887	ug/l	98
18) Methyl Acetate	4.479	43	40435	127.922	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	119091	89.029	ug/l	94
20) Methylene Chloride	4.710	84	53371	102.603	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	43629	76.271	ug/l	86
22) Diisopropyl ether	6.119	45	128146	79.418	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	77625	80.432	ug/l	98
25) 2-Butanone	6.984	43	72365	399.138	ug/l	93
26) 2,2-Dichloropropane	6.978	77	58669	65.993	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	48819	75.708	ug/l	88
28) Bromochloromethane	7.332	49	29507	89.076	ug/l #	91
29) Tetrahydrofuran	7.344	42	52037	422.531	ug/l #	87
30) Chloroform	7.502	83	80664	77.429	ug/l	99
31) Cyclohexane	7.783	56	51928	54.432	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	64373	68.109	ug/l	99
36) 1,1-Dichloropropene	7.917	75	52865	56.182	ug/l	99
38) Carbon Tetrachloride	7.899	117	55586	56.470	ug/l	99
39) Methylcyclohexane	9.185	83	51168	42.128	ug/l	96
40) Benzene	8.161	78	172290	63.496	ug/l	99
41) Methacrylonitrile	7.313	41	6968m	27.664	ug/l	
42) 1,2-Dichloroethane	8.234	62	58832	73.839	ug/l	94
43) Isopropyl Acetate	8.271	43	6539	7.205	ug/l #	64

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.935	130	38756	53.944	ug/l	98
45) 1,2-Dichloropropane	9.216	63	44882	68.888	ug/l	98
46) Dibromomethane	9.307	93	29842	72.034	ug/l	92
47) Bromodichloromethane	9.496	83	58679	61.977	ug/l	100
48) Methyl methacrylate	9.289	41	27739	68.447	ug/l	86
49) 1,4-Dioxane	9.295	88	7849	1417.311	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	175116	348.636	ug/l	93
52) Toluene	10.246	92	95289	50.252	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	50328	50.057	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	52273	48.362	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	35684	61.567	ug/l	98
57) 1,3-Dichloropropane	10.788	76	62276	65.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	116308	362.802	ug/l	96
59) 2-Hexanone	10.831	43	104504	303.876	ug/l	92
60) Dibromochloromethane	10.984	129	37510	53.388	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32264	56.176	ug/l	100
64) Tetrachloroethene	10.721	164	32662	68.956	ug/l	97
65) Chlorobenzene	11.514	112	82801	55.436	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	36304	66.379	ug/l	97
67) Ethyl Benzene	11.593	91	149647	55.595	ug/l	98
68) m/p-Xylenes	11.703	106	115267	105.486	ug/l	93
69) o-Xylene	12.032	106	54255	53.468	ug/l	95
70) Styrene	12.044	104	88838	50.909	ug/l	96
71) Bromoform	12.209	173	21392	59.003	ug/l #	100
73) Isopropylbenzene	12.331	105	126147	78.543	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	36854	111.393	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	27906m	120.984	ug/l	
77) Bromobenzene	12.605	156	29511	79.266	ug/l	99
78) n-propylbenzene	12.672	91	138117	74.433	ug/l	98
79) 2-Chlorotoluene	12.758	91	75500	70.538	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	92259	68.534	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8067	71.784	ug/l	91
82) 4-Chlorotoluene	12.855	91	75684	66.111	ug/l	99
83) tert-Butylbenzene	13.075	119	80267	67.208	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	87998	65.849	ug/l	99
85) sec-Butylbenzene	13.251	105	111365	60.945	ug/l	98
86) p-Isopropyltoluene	13.367	119	84349	55.354	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	42669	53.727	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	42652	53.456	ug/l	99
89) n-Butylbenzene	13.696	91	59922	42.984	ug/l	98
90) Hexachloroethane	13.959	117	15946	55.841	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	36931	52.679	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4596	89.478	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	8838	22.971	ug/l	98
94) Hexachlorobutadiene	15.111	225	5900	28.136	ug/l	94
95) Naphthalene	15.233	128	30867	39.936	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	7499	22.429	ug/l	100

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

