

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
 Data File : VY008304.D
 Acq On : 13 Apr 2022 11:39
 Operator : KP/MD
 Sample : VY0413SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Quant Time: Apr 14 05:54:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2022
 Supervised By : Mahesh Dadoda 04/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	113649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	198318	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	185014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	56951	53.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.700%			
35) Dibromofluoromethane	7.716	113	58112	50.733	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.460%			
50) Toluene-d8	10.179	98	204700	52.226	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.460%			
62) 4-Bromofluorobenzene	12.483	95	73644	49.955	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	20935	22.243	ug/l	95
3) Chloromethane	2.113	50	25723	20.889	ug/l	97
4) Vinyl Chloride	2.253	62	35811	22.118	ug/l	100
5) Bromomethane	2.643	94	33259	24.091	ug/l	93
6) Chloroethane	2.790	64	24793	21.863	ug/l	97
7) Trichlorofluoromethane	3.125	101	43707	22.687	ug/l	95
8) Diethyl Ether	3.527	74	14554	20.904	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.893	101	27542	22.009	ug/l	93
10) Methyl Iodide	4.088	142	26944	20.736	ug/l	92
11) Tert butyl alcohol	4.960	59	11812	103.498	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	24351	21.723	ug/l	81
13) Acrolein	3.729	56	6474	72.043	ug/l	97
14) Allyl chloride	4.478	41	31407	21.468	ug/l #	89
15) Acrylonitrile	5.161	53	35916	105.471	ug/l	97
16) Acetone	3.948	43	25104	97.770	ug/l #	87
17) Carbon Disulfide	4.192	76	65043	21.995	ug/l	100
18) Methyl Acetate	4.472	43	16855	23.849	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	72785	21.040	ug/l	97
20) Methylene Chloride	4.716	84	32472	19.151	ug/l #	77
21) trans-1,2-Dichloroethene	5.216	96	28933	21.543	ug/l	85
22) Diisopropyl ether	6.118	45	74216	21.503	ug/l #	93
23) Vinyl Acetate	6.057	43	237575	106.230	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	48906	22.074	ug/l	97
25) 2-Butanone	6.984	43	42437	105.697	ug/l #	75
26) 2,2-Dichloropropane	6.984	77	44879	21.996	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	34911	21.908	ug/l	81
28) Bromochloromethane	7.332	49	16394	19.305	ug/l #	68
29) Tetrahydrofuran	7.350	42	27694	106.836	ug/l #	75
30) Chloroform	7.508	83	53818	21.754	ug/l	98
31) Cyclohexane	7.789	56	42393	21.961	ug/l #	79
32) 1,1,1-Trichloroethane	7.704	97	48050	22.203	ug/l	94
36) 1,1-Dichloropropene	7.917	75	39436	21.560	ug/l	96
37) Ethyl Acetate	7.076	43	19327	20.492	ug/l #	91
38) Carbon Tetrachloride	7.899	117	41456	21.067	ug/l	99
39) Methylcyclohexane	9.185	83	51622	21.935	ug/l #	83
40) Benzene	8.161	78	117275	21.531	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11219m	21.263	ug/l	
42) 1,2-Dichloroethane	8.234	62	34149	21.610	ug/l	91
43) Isopropyl Acetate	8.270	43	36109	20.629	ug/l #	85
44) Trichloroethene	8.941	130	33217	21.398	ug/l	97
45) 1,2-Dichloropropane	9.215	63	28539	21.448	ug/l	99
46) Dibromomethane	9.307	93	18882	21.441	ug/l	94
47) Bromodichloromethane	9.496	83	41222	20.813	ug/l	96
48) Methyl methacrylate	9.295	41	15694	21.091	ug/l #	76
49) 1,4-Dioxane	9.295	88	5411	476.113	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	95734	105.919	ug/l #	84
52) Toluene	10.246	92	76833	21.410	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	41343	20.483	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	48141	21.141	ug/l #	82
55) 1,1,2-Trichloroethane	10.648	97	26296	20.932	ug/l	94
56) Ethyl methacrylate	10.508	69	31504	20.455	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	42451	21.043	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	62667	103.294	ug/l	91
59) 2-Hexanone	10.831	43	64870	104.305	ug/l	81
60) Dibromochloromethane	10.983	129	30196	20.577	ug/l	99
61) 1,2-Dibromoethane	11.093	107	25111	20.445	ug/l	100
64) Tetrachloroethene	10.721	164	28325	21.722	ug/l	99
65) Chlorobenzene	11.520	112	84523	21.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	31523	21.054	ug/l	96
67) Ethyl Benzene	11.593	91	148308	21.736	ug/l	97
68) m/p-Xylenes	11.703	106	114961	42.364	ug/l	93
69) o-Xylene	12.032	106	55196	20.960	ug/l	92
70) Styrene	12.044	104	92498	21.298	ug/l	94
71) Bromoform	12.209	173	17268	19.134	ug/l #	99
73) Isopropylbenzene	12.331	105	147406	22.245	ug/l	99
74) N-amyl acetate	12.142	43	31904	22.176	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.587	83	30113	21.477	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	19175m	19.453	ug/l	
77) Bromobenzene	12.611	156	33763	20.793	ug/l	95
78) n-propylbenzene	12.672	91	173464	22.184	ug/l	98
79) 2-Chlorotoluene	12.757	91	97143	22.137	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	119188	21.935	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	9083	20.617	ug/l #	85
82) 4-Chlorotoluene	12.855	91	99655	22.099	ug/l	97
83) tert-Butylbenzene	13.075	119	106284	21.804	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	117542	21.859	ug/l	97
85) sec-Butylbenzene	13.251	105	160372	22.192	ug/l	100
86) p-Isopropyltoluene	13.373	119	130282	21.604	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	67182	20.890	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	65359	20.535	ug/l	99
89) n-Butylbenzene	13.696	91	122185	22.425	ug/l	99
90) Hexachloroethane	13.965	117	24242	21.508	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	59347	20.743	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4398	21.923	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	32348	19.115	ug/l	99
94) Hexachlorobutadiene	15.117	225	17374	20.223	ug/l	98
95) Naphthalene	15.239	128	68701	18.952	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	27739	18.731	ug/l	98

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

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