

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061522\
 Data File : VY009189.D
 Acq On : 15 Jun 2022 17:55
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY061522

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/17/2022
 Supervised By :Semsettin Yesilyurt 06/17/2022

Quant Time: Jun 16 02:55:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	194574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	276701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	99711	49.058	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.120%		
35) Dibromofluoromethane	7.710	113	101904	52.013	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.020%		
50) Toluene-d8	10.173	98	371042	49.751	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.500%		
62) 4-Bromofluorobenzene	12.477	95	128964	48.661	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	69897	47.456	ug/l	97
3) Chloromethane	2.107	50	78699	43.128	ug/l	96
4) Vinyl Chloride	2.241	62	84543	44.137	ug/l	99
5) Bromomethane	2.637	94	61003	45.334	ug/l	95
6) Chloroethane	2.784	64	54853	45.765	ug/l	96
7) Trichlorofluoromethane	3.113	101	149408	48.831	ug/l	95
8) Diethyl Ether	3.521	74	56860	48.977	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	95766	50.904	ug/l	95
10) Methyl Iodide	4.076	142	116693	48.557	ug/l #	88
11) Tert butyl alcohol	4.948	59	58777	182.278	ug/l	96
12) 1,1-Dichloroethene	3.863	96	92360	49.884	ug/l	82
13) Acrolein	3.717	56	12464	220.239	ug/l	95
14) Allyl chloride	4.466	41	165064	49.403	ug/l	91
15) Acrylonitrile	5.149	53	157617	253.833	ug/l	97
16) Acetone	3.936	43	117781	230.048	ug/l #	89
17) Carbon Disulfide	4.180	76	268540	50.100	ug/l	100
18) Methyl Acetate	4.466	43	72639	49.073	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	286382	51.264	ug/l	95
20) Methylene Chloride	4.704	84	112184	48.600	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	110858	51.099	ug/l	90
22) Diisopropyl ether	6.106	45	327761	47.575	ug/l	95
23) Vinyl Acetate	6.045	43	1109433	255.992	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	192638	49.486	ug/l	99
25) 2-Butanone	6.972	43	200198	247.108	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	168116	48.740	ug/l	93
27) cis-1,2-Dichloroethene	6.972	96	129302	50.819	ug/l	86
28) Bromochloromethane	7.326	49	84072	50.386	ug/l #	81
29) Tetrahydrofuran	7.338	42	134341	249.736	ug/l	89
30) Chloroform	7.496	83	197498	49.322	ug/l	98
31) Cyclohexane	7.777	56	173852	47.750	ug/l	94
32) 1,1,1-Trichloroethane	7.691	97	176054	50.004	ug/l	96
36) 1,1-Dichloropropene	7.911	75	151892	50.399	ug/l	97
37) Ethyl Acetate	7.064	43	89819	50.083	ug/l #	94
38) Carbon Tetrachloride	7.893	117	158065	50.722	ug/l	99
39) Methylcyclohexane	9.179	83	189477	52.149	ug/l	90
40) Benzene	8.155	78	440243	50.023	ug/l	97

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41) Methacrylonitrile	7.301	41	49012	48.861	ug/l #	41
42) 1,2-Dichloroethane	8.228	62	126007	49.093	ug/l	91
43) Isopropyl Acetate	8.265	43	166011	50.047	ug/l #	91
44) Trichloroethene	8.935	130	124812	49.614	ug/l	100
45) 1,2-Dichloropropane	9.209	63	110366	49.473	ug/l	96
46) Dibromomethane	9.301	93	65597	51.119	ug/l	99
47) Bromodichloromethane	9.490	83	152453	49.846	ug/l	97
48) Methyl methacrylate	9.289	41	72973	49.288	ug/l #	84
49) 1,4-Dioxane	9.289	88	19077	1045.107	ug/l #	90
51) 4-Methyl-2-Pentanone	10.063	43	431764	247.449	ug/l	91
52) Toluene	10.240	92	277052	49.303	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	160033	49.883	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	182166	50.277	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	88745	48.870	ug/l	98
56) Ethyl methacrylate	10.508	69	126716	51.474	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	155675	50.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	261756	245.298	ug/l	94
59) 2-Hexanone	10.825	43	297574	248.598	ug/l	89
60) Dibromochloromethane	10.984	129	111786	50.280	ug/l	99
61) 1,2-Dibromoethane	11.081	107	89197	50.398	ug/l	99
64) Tetrachloroethene	10.715	164	130822	51.034	ug/l	97
65) Chlorobenzene	11.514	112	297141	49.573	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	109680	49.964	ug/l	97
67) Ethyl Benzene	11.587	91	523857	50.085	ug/l	98
68) m/p-Xylenes	11.697	106	407900	98.918	ug/l	94
69) o-Xylene	12.026	106	195927	50.147	ug/l	93
70) Styrene	12.038	104	328775	50.162	ug/l	97
71) Bromoform	12.203	173	71117	50.722	ug/l #	99
73) Isopropylbenzene	12.325	105	515990	49.533	ug/l	98
74) N-amyl acetate	12.142	43	142758	49.128	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	101110	49.040	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	71216m	46.599	ug/l	
77) Bromobenzene	12.605	156	123041	48.075	ug/l	94
78) n-propylbenzene	12.666	91	623918	49.500	ug/l	98
79) 2-Chlorotoluene	12.752	91	350753	49.390	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	436554	50.139	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	38009	49.564	ug/l	89
82) 4-Chlorotoluene	12.849	91	365620	49.341	ug/l	97
83) tert-Butylbenzene	13.069	119	385017	50.295	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	430735	50.401	ug/l	96
85) sec-Butylbenzene	13.251	105	569116	50.207	ug/l	98
86) p-Isopropyltoluene	13.367	119	476446	50.650	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	244458	49.523	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	245222	48.939	ug/l	99
89) n-Butylbenzene	13.690	91	449592	50.544	ug/l	98
90) Hexachloroethane	13.959	117	88085	49.661	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	222120	49.761	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18657	50.151	ug/l	86
93) 1,2,4-Trichlorobenzene	15.001	180	145028	51.676	ug/l	99
94) Hexachlorobutadiene	15.111	225	76026	49.287	ug/l	97
95) Naphthalene	15.233	128	312154	53.325	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	126577	51.244	ug/l	98

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

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