

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081622\
 Data File : VY010038.D
 Acq On : 16 Aug 2022 10:07
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY081622

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/17/2022
 Supervised By :Mahesh Dadoda 08/17/2022

Quant Time: Aug 16 16:51:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 07:01:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	116203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	160108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	151971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53741	46.254	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.500%		
35) Dibromofluoromethane	7.710	113	50774	48.901	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.800%		
50) Toluene-d8	10.179	98	184417	48.007	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.020%		
62) 4-Bromofluorobenzene	12.483	95	66134	49.015	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	46482	48.865	ug/l	96
3) Chloromethane	2.107	50	57359	45.244	ug/l	100
4) Vinyl Chloride	2.247	62	75170	45.482	ug/l	95
5) Bromomethane	2.644	94	61428	48.919	ug/l	99
6) Chloroethane	2.784	64	52277	45.929	ug/l	94
7) Trichlorofluoromethane	3.119	101	93357	47.552	ug/l	100
8) Diethyl Ether	3.521	74	26559	48.301	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.887	101	49741	47.777	ug/l	98
10) Methyl Iodide	4.082	142	66539	53.993	ug/l	99
11) Tert butyl alcohol	4.948	59	27269	252.890	ug/l	100
12) 1,1-Dichloroethene	3.863	96	45606	47.864	ug/l	95
13) Acrolein	3.723	56	18542	239.081	ug/l	97
14) Allyl chloride	4.466	41	67527	48.222	ug/l	100
15) Acrylonitrile	5.149	53	63067	243.248	ug/l	99
16) Acetone	3.936	43	71313	286.557	ug/l	94
17) Carbon Disulfide	4.186	76	121622	44.562	ug/l	97
18) Methyl Acetate	4.466	43	33453	45.967	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	130277	49.761	ug/l	96
20) Methylene Chloride	4.704	84	56245	48.775	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	52796	48.180	ug/l	94
22) Diisopropyl ether	6.112	45	138709	50.362	ug/l	99
23) Vinyl Acetate	6.051	43	455660	262.181	ug/l	99
24) 1,1-Dichloroethane	6.009	63	83758	47.884	ug/l	96
25) 2-Butanone	6.978	43	93845	275.647	ug/l	96
26) 2,2-Dichloropropane	6.978	77	92451	50.291	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	59560	49.426	ug/l	99
28) Bromochloromethane	7.332	49	33657	46.240	ug/l	90
29) Tetrahydrofuran	7.338	42	53141	240.309	ug/l	94
30) Chloroform	7.496	83	98542	46.066	ug/l	97
31) Cyclohexane	7.777	56	70582	42.994	ug/l	99
32) 1,1,1-Trichloroethane	7.691	97	96366	49.695	ug/l	99
36) 1,1-Dichloropropene	7.911	75	72146	49.879	ug/l	98
37) Ethyl Acetate	7.064	43	40861	56.098	ug/l	97
38) Carbon Tetrachloride	7.893	117	91826	51.620	ug/l	98
39) Methylcyclohexane	9.179	83	82349	50.532	ug/l	97
40) Benzene	8.155	78	202601	47.880	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	23247m	61.788	ug/l	
42) 1,2-Dichloroethane	8.228	62	66275	50.266	ug/l	99
43) Isopropyl Acetate	8.265	43	72641	52.540	ug/l	99
44) Trichloroethene	8.935	130	63274	49.472	ug/l	99
45) 1,2-Dichloropropane	9.209	63	46207	46.183	ug/l	98
46) Dibromomethane	9.301	93	32644	50.943	ug/l	99
47) Bromodichloromethane	9.490	83	77781	50.322	ug/l #	95
48) Methyl methacrylate	9.289	41	29049	48.288	ug/l	90
49) 1,4-Dioxane	9.301	88	7457	988.798	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	186263	244.189	ug/l	97
52) Toluene	10.240	92	135173	49.563	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	74858	50.289	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	81232	49.889	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	44932	50.765	ug/l	96
56) Ethyl methacrylate	10.508	69	53573	52.371	ug/l	94
57) 1,3-Dichloropropane	10.788	76	70135	49.497	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	94242	212.882	ug/l	96
59) 2-Hexanone	10.831	43	135047	228.140	ug/l	97
60) Dibromochloromethane	10.984	129	60462	51.574	ug/l	98
61) 1,2-Dibromoethane	11.087	107	43665	50.622	ug/l	96
64) Tetrachloroethene	10.715	164	65214	50.254	ug/l	98
65) Chlorobenzene	11.514	112	153238	48.373	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	62992	50.184	ug/l	99
67) Ethyl Benzene	11.593	91	264036	49.713	ug/l	96
68) m/p-Xylenes	11.703	106	218574	103.596	ug/l	98
69) o-Xylene	12.026	106	102401	51.952	ug/l	97
70) Styrene	12.044	104	171587	51.587	ug/l	99
71) Bromoform	12.209	173	41582	52.878	ug/l #	99
73) Isopropylbenzene	12.331	105	273911	53.691	ug/l	98
74) N-amyl acetate	12.142	43	60477	42.651	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	48354	47.678	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	38278m	49.474	ug/l	
77) Bromobenzene	12.611	156	69050	50.947	ug/l	94
78) n-propylbenzene	12.672	91	313411	49.831	ug/l	97
79) 2-Chlorotoluene	12.758	91	177451	49.892	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	229652	51.673	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	17697	51.691	ug/l	99
82) 4-Chlorotoluene	12.855	91	192230	51.666	ug/l	97
83) tert-Butylbenzene	13.075	119	208500	53.390	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	235608	53.993	ug/l	98
85) sec-Butylbenzene	13.251	105	299380	52.485	ug/l	97
86) p-Isopropyltoluene	13.367	119	259339	53.049	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	139050	50.383	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	139741	50.154	ug/l	98
89) n-Butylbenzene	13.696	91	228277	52.412	ug/l	98
90) Hexachloroethane	13.959	117	48787	49.235	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	124718	50.810	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8917	51.154	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	78431	53.482	ug/l	99
94) Hexachlorobutadiene	15.111	225	48027	51.177	ug/l	99
95) Naphthalene	15.239	128	148822	49.637	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	68896	53.380	ug/l	99

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

