

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062122\
 Data File : VY009250.D
 Acq On : 21 Jun 2022 11:28
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/22/2022
 Supervised By :Mahesh Dadoda 06/23/2022

Quant Time: Jun 21 13:33:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 13:33:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	159100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	260426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	238993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10087	6.066	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.140%#		
35) Dibromofluoromethane	7.716	113	8709	5.327	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.660%#		
50) Toluene-d8	10.179	98	35380	5.697	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.400%#		
62) 4-Bromofluorobenzene	12.477	95	12181	5.528	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.060%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6478	5.446	ug/l	100
3) Chloromethane	2.113	50	8058	5.454	ug/l	91
4) Vinyl Chloride	2.247	62	8798	5.646	ug/l	91
5) Bromomethane	2.643	94	6465	5.901	ug/l	96
6) Chloroethane	2.790	64	6315	6.457	ug/l	90
7) Trichlorofluoromethane	3.125	101	13648	5.494	ug/l	89
8) Diethyl Ether	3.527	74	4639	4.936	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	8198	5.337	ug/l	98
10) Methyl Iodide	4.088	142	8222	4.207	ug/l	89
11) Tert butyl alcohol	4.930	59	18243	68.649	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	7822	5.225	ug/l #	75
13) Acrolein	3.722	56	1418	22.482	ug/l	97
14) Allyl chloride	4.472	41	13737	5.077	ug/l #	88
15) Acrylonitrile	5.155	53	13969	27.681	ug/l	97
16) Acetone	3.942	43	13116	31.476	ug/l	90
17) Carbon Disulfide	4.192	76	19925	4.615	ug/l	99
18) Methyl Acetate	4.472	43	12878	9.293	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	23355	5.130	ug/l	94
20) Methylene Chloride	4.704	84	24815	11.481	ug/l	94
21) trans-1,2-Dichloroethene	5.210	96	9151	5.191	ug/l	86
22) Diisopropyl ether	6.106	45	30009	5.308	ug/l #	96
23) Vinyl Acetate	6.057	43	74989	21.209	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	16709	5.252	ug/l	97
25) 2-Butanone	6.984	43	21931	33.156	ug/l	97
26) 2,2-Dichloropropane	6.972	77	18094	6.381	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	10942	5.265	ug/l	98
28) Bromochloromethane	7.332	49	8416	6.169	ug/l	96
29) Tetrahydrofuran	7.344	42	12148	27.789	ug/l	94
30) Chloroform	7.502	83	17033	5.196	ug/l	98
31) Cyclohexane	7.777	56	17186	5.792	ug/l #	80
32) 1,1,1-Trichloroethane	7.697	97	14185	4.940	ug/l	92
36) 1,1-Dichloropropene	7.911	75	12785	5.128	ug/l	97
37) Ethyl Acetate	7.069	43	9189	6.186	ug/l #	91
38) Carbon Tetrachloride	7.899	117	13035	5.042	ug/l	97
39) Methylcyclohexane	9.185	83	15499	5.142	ug/l #	84
40) Benzene	8.155	78	38374	5.226	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3913	4.873	ug/l #	37
42) 1,2-Dichloroethane	8.234	62	11125	5.218	ug/l	92
43) Isopropyl Acetate	8.270	43	15666	5.700	ug/l	95
44) Trichloroethene	8.935	130	10884	5.200	ug/l	95
45) 1,2-Dichloropropane	9.209	63	10186	5.463	ug/l	96
46) Dibromomethane	9.301	93	5860	5.495	ug/l	97
47) Bromodichloromethane	9.490	83	13512	5.301	ug/l	99
48) Methyl methacrylate	9.289	41	6370	5.231	ug/l #	86
49) 1,4-Dioxane	9.295	88	1950	129.795	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	40554	28.094	ug/l	92
52) Toluene	10.240	92	24229	5.178	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	13973	5.230	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	15269	5.046	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	8374	5.540	ug/l	98
56) Ethyl methacrylate	10.508	69	9891	4.850	ug/l	90
57) 1,3-Dichloropropane	10.788	76	14090	5.472	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	25810	28.965	ug/l	99
59) 2-Hexanone	10.831	43	26235	26.472	ug/l	94
60) Dibromochloromethane	10.983	129	9572	5.172	ug/l	99
61) 1,2-Dibromoethane	11.087	107	7819	5.348	ug/l	99
64) Tetrachloroethene	10.715	164	12522	5.675	ug/l	96
65) Chlorobenzene	11.514	112	28359	5.495	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.587	131	10209	5.399	ug/l	99
67) Ethyl Benzene	11.587	91	46522	5.167	ug/l	100
68) m/p-Xylenes	11.697	106	36155	10.194	ug/l	91
69) o-Xylene	12.026	106	16708	4.959	ug/l	97
70) Styrene	12.044	104	27277	4.835	ug/l	95
71) Bromoform	12.209	173	5864	4.873	ug/l #	94
73) Isopropylbenzene	12.325	105	44135	4.967	ug/l	100
74) N-amyl acetate	12.142	43	12285	5.000	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	9143	5.230	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	7795m	5.959	ug/l	
77) Bromobenzene	12.605	156	11775	5.407	ug/l	91
78) n-propylbenzene	12.672	91	53769	5.005	ug/l	99
79) 2-Chlorotoluene	12.757	91	30674	5.060	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	36391	4.911	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	3376	5.184	ug/l	87
82) 4-Chlorotoluene	12.855	91	32273	5.106	ug/l	96
83) tert-Butylbenzene	13.074	119	30922	4.760	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	35581	4.893	ug/l	95
85) sec-Butylbenzene	13.251	105	47329	4.902	ug/l	100
86) p-Isopropyltoluene	13.367	119	39623	4.947	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	22102	5.268	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	22706	5.341	ug/l	96
89) n-Butylbenzene	13.696	91	36800	4.869	ug/l	99
90) Hexachloroethane	13.958	117	7466	4.920	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	19736	5.215	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1812	5.833	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	11909	5.023	ug/l	94
94) Hexachlorobutadiene	15.111	225	6342	4.865	ug/l	96
95) Naphthalene	15.239	128	20914	4.252	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	9964	4.809	ug/l	100

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

