

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007137.D
 Acq On : 13 Jan 2022 12:00
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/14/2022
 Supervised By : Mahesh Dadoda 01/14/2022

Quant Time: Jan 14 05:27:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:26:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	134483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	226340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	198689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	17264	10.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.260%#		
35) Dibromofluoromethane	7.722	113	16290	10.685	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.360%#		
50) Toluene-d8	10.185	98	59442	10.574	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	21.140%#		
62) 4-Bromofluorobenzene	12.483	95	21065	10.410	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.820%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	4643	10.036	ug/l	85
3) Chloromethane	2.119	50	10600	10.901	ug/l	93
4) Vinyl Chloride	2.259	62	14522	10.250	ug/l	100
5) Bromomethane	2.662	94	10144	10.760	ug/l	99
6) Chloroethane	2.802	64	8883	10.204	ug/l	97
7) Trichlorofluoromethane	3.131	101	15357	9.058	ug/l	97
8) Diethyl Ether	3.527	74	8507	10.014	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.911	101	15172	10.171	ug/l	98
10) Methyl Iodide	4.088	142	22483	9.815	ug/l	97
11) Tert butyl alcohol	4.954	59	8201	63.269	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	15611	10.188	ug/l	91
13) Acrolein	3.728	56	2369	55.623	ug/l	95
14) Allyl chloride	4.478	41	24396	10.363	ug/l	98
15) Acrylonitrile	5.167	53	19204	49.097	ug/l	96
16) Acetone	3.954	43	19313	59.514	ug/l	99
17) Carbon Disulfide	4.198	76	43389	9.943	ug/l	98
18) Methyl Acetate	4.478	43	15884	11.291	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	30602	10.044	ug/l	97
20) Methylene Chloride	4.716	84	18684	10.315	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	16929	10.213	ug/l	89
22) Diisopropyl ether	6.124	45	49720	10.367	ug/l	96
23) Vinyl Acetate	6.063	43	139195	50.011	ug/l	97
24) 1,1-Dichloroethane	6.021	63	30274	10.378	ug/l	98
25) 2-Butanone	6.990	43	25194	52.156	ug/l	98
26) 2,2-Dichloropropane	6.984	77	23098	10.305	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	18603	9.956	ug/l	95
28) Bromochloromethane	7.338	49	9798	9.084	ug/l	99
29) Tetrahydrofuran	7.356	42	17090	50.723	ug/l	98
30) Chloroform	7.508	83	31278	10.198	ug/l	95
31) Cyclohexane	7.783	56	29644	10.717	ug/l #	93
32) 1,1,1-Trichloroethane	7.703	97	27200	10.231	ug/l	96
36) 1,1-Dichloropropene	7.917	75	25039	10.475	ug/l	99
37) Ethyl Acetate	7.075	43	11759	9.905	ug/l	99
38) Carbon Tetrachloride	7.905	117	25926	10.337	ug/l	91
39) Methylcyclohexane	9.185	83	30581	10.249	ug/l	98
40) Benzene	8.161	78	66821	10.351	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	7036	10.490	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	20233	10.205	ug/l	98
43) Isopropyl Acetate	8.276	43	23257	10.103	ug/l	100
44) Trichloroethene	8.941	130	17459	9.782	ug/l	92
45) 1,2-Dichloropropane	9.221	63	16900	10.522	ug/l	97
46) Dibromomethane	9.307	93	9668	10.112	ug/l	97
47) Bromodichloromethane	9.496	83	23894	10.007	ug/l	100
48) Methyl methacrylate	9.295	41	10735	10.426	ug/l	99
49) 1,4-Dioxane	9.307	88	2066	206.908	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	58895	51.803	ug/l	97
52) Toluene	10.246	92	41267	10.009	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	25055	10.022	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	28030	9.956	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	13001	9.999	ug/l	97
56) Ethyl methacrylate	10.514	69	17835	9.787	ug/l	94
57) 1,3-Dichloropropane	10.794	76	23278	10.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	44645	53.662	ug/l	99
59) 2-Hexanone	10.831	43	38870	52.352	ug/l	96
60) Dibromochloromethane	10.989	129	16211	10.011	ug/l	98
61) 1,2-Dibromoethane	11.093	107	12901	9.914	ug/l	100
64) Tetrachloroethene	10.721	164	14975	10.578	ug/l	94
65) Chlorobenzene	11.520	112	43785	10.210	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	16280	10.210	ug/l	98
67) Ethyl Benzene	11.593	91	83271	10.344	ug/l	99
68) m/p-Xylenes	11.703	106	62612	20.783	ug/l	98
69) o-Xylene	12.032	106	29205	10.364	ug/l	98
70) Styrene	12.044	104	48827	10.243	ug/l	99
71) Bromoform	12.209	173	9061	9.933	ug/l #	98
73) Isopropylbenzene	12.331	105	79357	10.451	ug/l	99
74) N-amyl acetate	12.142	43	19272	9.887	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	14205	9.787	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	9708m	9.318	ug/l	
77) Bromobenzene	12.611	156	16570	9.910	ug/l	96
78) n-propylbenzene	12.672	91	98029	10.567	ug/l	100
79) 2-Chlorotoluene	12.757	91	54490	10.331	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	65799	10.548	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	5291	9.708	ug/l #	100
82) 4-Chlorotoluene	12.855	91	57849	10.620	ug/l	99
83) tert-Butylbenzene	13.074	119	55915	10.198	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	63492	10.333	ug/l	99
85) sec-Butylbenzene	13.257	105	83962	10.465	ug/l	99
86) p-Isopropyltoluene	13.373	119	68606	10.422	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	33560	10.383	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	33910	10.510	ug/l	97
89) n-Butylbenzene	13.696	91	66922	10.423	ug/l	99
90) Hexachloroethane	13.958	117	13430	10.311	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	30008	10.545	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2503	10.335	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	17432	10.297	ug/l	100
94) Hexachlorobutadiene	15.111	225	9198	10.538	ug/l	99
95) Naphthalene	15.239	128	34905	9.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	14794	10.376	ug/l	99

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

