

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011911.D
 Acq On : 20 Dec 2022 10:21
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

Quant Time: Dec 20 10:37:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 10:37:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	210143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	334536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	297791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	11246	6.590	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	13.180%#		
35) Dibromofluoromethane	7.722	113	10642	6.308	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	12.620%#		
50) Toluene-d8	10.179	98	41488	7.010	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	14.020%#		
62) 4-Bromofluorobenzene	12.483	95	13680	6.020	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	12.040%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	10287	8.967	ug/l	98
3) Chloromethane	2.119	50	11209	8.722	ug/l	95
4) Vinyl Chloride	2.253	62	11778	7.829	ug/l	97
5) Bromomethane	2.656	94	8795	8.473	ug/l	97
6) Chloroethane	2.802	64	7481	7.179	ug/l	99
7) Trichlorofluoromethane	3.131	101	20180	6.986	ug/l	95
8) Diethyl Ether	3.527	74	5699	5.632	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.905	101	11124	6.451	ug/l	98
10) Methyl Iodide	4.100	142	12990	6.434	ug/l	99
11) Tert butyl alcohol	4.942	59	12519	48.726	ug/l #	79
12) 1,1-Dichloroethene	3.875	96	10268	6.602	ug/l	96
13) Acrolein	3.741	56	5539	18.698	ug/l	100
14) Allyl chloride	4.485	41	15116	5.851	ug/l	98
15) Acrylonitrile	5.167	53	12896	23.745	ug/l	97
16) Acetone	3.948	43	12284	21.408	ug/l	92
17) Carbon Disulfide	4.204	76	34404	9.687	ug/l	100
18) Methyl Acetate	4.478	43	8169	5.041	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	24860	5.105	ug/l	100
20) Methylene Chloride	4.716	84	20801	7.909	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	12030	6.882	ug/l	95
22) Diisopropyl ether	6.124	45	27832	4.938	ug/l #	87
23) Vinyl Acetate	6.064	43	75455	23.466	ug/l	97
24) 1,1-Dichloroethane	6.021	63	19706	5.754	ug/l	97
25) 2-Butanone	6.984	43	16790	22.748	ug/l	95
26) 2,2-Dichloropropane	6.984	77	19971	6.198	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	12097	5.662	ug/l	92
28) Bromochloromethane	7.344	49	5741	4.604	ug/l	93
29) Tetrahydrofuran	7.344	42	9197	21.892	ug/l	97
30) Chloroform	7.508	83	21480	5.866	ug/l	97
31) Cyclohexane	7.789	56	21111	7.691	ug/l #	82
32) 1,1,1-Trichloroethane	7.703	97	20230	6.195	ug/l	99
36) 1,1-Dichloropropene	7.923	75	16739	6.594	ug/l	99
37) Ethyl Acetate	7.082	43	7310	4.925	ug/l	99
38) Carbon Tetrachloride	7.905	117	19309	6.475	ug/l	94
39) Methylcyclohexane	9.185	83	18726	6.556	ug/l	92
40) Benzene	8.161	78	47254	6.231	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	2927m	3.907	ug/l	
42) 1,2-Dichloroethane	8.240	62	13541	5.774	ug/l	97
43) Isopropyl Acetate	8.277	43	12644	4.698	ug/l	97
44) Trichloroethene	8.941	130	13314	6.268	ug/l	93
45) 1,2-Dichloropropane	9.215	63	11048	5.628	ug/l	96
46) Dibromomethane	9.307	93	6269	5.706	ug/l	96
47) Bromodichloromethane	9.496	83	15776	5.558	ug/l	100
48) Methyl methacrylate	9.289	41	5160	4.350	ug/l	91
49) 1,4-Dioxane	9.307	88	1222	80.281	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	31409	21.181	ug/l	99
52) Toluene	10.246	92	28298	5.869	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	15194	5.359	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	16839	5.286	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	8996	5.539	ug/l	94
56) Ethyl methacrylate	10.508	69	9648	4.602	ug/l	97
57) 1,3-Dichloropropane	10.788	76	14292	5.280	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	21043	21.647	ug/l	95
59) 2-Hexanone	10.831	43	21243	20.050	ug/l	99
60) Dibromochloromethane	10.983	129	10793	5.306	ug/l	95
61) 1,2-Dibromoethane	11.087	107	8149	5.539	ug/l	97
64) Tetrachloroethene	10.721	164	13791	6.546	ug/l	97
65) Chlorobenzene	11.520	112	31879	5.941	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	11910	5.722	ug/l	100
67) Ethyl Benzene	11.593	91	53849	5.696	ug/l	95
68) m/p-Xylenes	11.703	106	41559	11.478	ug/l	100
69) o-Xylene	12.032	106	19153	5.550	ug/l	98
70) Styrene	12.044	104	31815	5.401	ug/l	99
71) Bromoform	12.209	173	6758	5.263	ug/l #	96
73) Isopropylbenzene	12.331	105	50743	5.306	ug/l	99
74) N-amyl acetate	12.142	43	9640	4.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	9225	4.953	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	9432m	6.316	ug/l	
77) Bromobenzene	12.611	156	12430	5.567	ug/l	97
78) n-propylbenzene	12.672	91	61794	5.392	ug/l	99
79) 2-Chlorotoluene	12.757	91	35703	5.459	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	43487	5.380	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	3079	4.679	ug/l	94
82) 4-Chlorotoluene	12.855	91	36162	5.330	ug/l	98
83) tert-Butylbenzene	13.074	119	37379	5.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	43056	5.410	ug/l	99
85) sec-Butylbenzene	13.251	105	56075	5.349	ug/l	97
86) p-Isopropyltoluene	13.373	119	45733	5.242	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	25655	5.709	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	25855	5.789	ug/l	95
89) n-Butylbenzene	13.696	91	42459	5.354	ug/l	99
90) Hexachloroethane	13.965	117	9814	5.661	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	21768	5.383	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1442	4.441	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	11506	4.879	ug/l	98
94) Hexachlorobutadiene	15.111	225	8303	5.541	ug/l	99
95) Naphthalene	15.239	128	18943	4.147	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	9396	4.612	ug/l	97

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

