

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032522\
 Data File : VY008027.D
 Acq On : 25 Mar 2022 15:48
 Operator : SY/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 : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 25 17:53:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 17:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	161837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	279548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	248955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	9194	4.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.360%#		
35) Dibromofluoromethane	7.715	113	9043	4.837	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.680%#		
50) Toluene-d8	10.178	98	35144	5.178	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.360%#		
62) 4-Bromofluorobenzene	12.483	95	12640	4.916	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.840%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	6680	3.579	ug/l	99
3) Chloromethane	2.113	50	10149	4.041	ug/l	96
4) Vinyl Chloride	2.253	62	12684	4.332	ug/l	98
5) Bromomethane	2.643	94	11640	4.929	ug/l	97
6) Chloroethane	2.796	64	8330	4.359	ug/l	94
7) Trichlorofluoromethane	3.125	101	15459	4.357	ug/l	88
8) Diethyl Ether	3.533	74	4930	3.544	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	9718	4.423	ug/l	90
10) Methyl Iodide	4.088	142	6610	2.894	ug/l	94
11) Tert butyl alcohol	4.942	59	4486	16.685	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	8979	4.237	ug/l #	79
13) Acrolein	3.728	56	3912	17.051	ug/l	98
14) Allyl chloride	4.472	41	12048	3.459	ug/l #	92
15) Acrylonitrile	5.161	53	12386	16.351	ug/l	98
16) Acetone	3.942	43	10153	15.764	ug/l	92
17) Carbon Disulfide	4.192	76	23791	3.666	ug/l	99
18) Methyl Acetate	4.484	43	9663	4.884	ug/l #	86
19) Methyl tert-butyl Ether	5.222	73	25941	3.722	ug/l	93
20) Methylene Chloride	4.716	84	15462	5.038	ug/l #	75
21) trans-1,2-Dichloroethene	5.222	96	10540	4.201	ug/l #	76
22) Diisopropyl ether	6.118	45	26503	3.522	ug/l #	87
23) Vinyl Acetate	6.057	43	70068	13.681	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	17698	4.133	ug/l	99
25) 2-Butanone	6.990	43	14954	15.230	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	16094	4.183	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	12494	4.285	ug/l	81
28) Bromochloromethane	7.331	49	7073	4.647	ug/l #	75
29) Tetrahydrofuran	7.344	42	9584	14.735	ug/l #	73
30) Chloroform	7.502	83	18798	4.133	ug/l	99
31) Cyclohexane	7.783	56	18460	4.585	ug/l #	63
32) 1,1,1-Trichloroethane	7.697	97	16564	4.243	ug/l	94
36) 1,1-Dichloropropene	7.917	75	13774	4.351	ug/l	95
37) Ethyl Acetate	7.069	43	6222	3.017	ug/l #	86
38) Carbon Tetrachloride	7.892	117	14696	4.578	ug/l	94
39) Methylcyclohexane	9.185	83	18991	4.615	ug/l #	85
40) Benzene	8.154	78	40928	4.407	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3548m	1.542	ug/l	
42) 1,2-Dichloroethane	8.234	62	11717	4.091	ug/l	91
43) Isopropyl Acetate	8.270	43	13070	3.388	ug/l #	86
44) Trichloroethene	8.941	130	11502	4.625	ug/l	94
45) 1,2-Dichloropropane	9.215	63	9858	4.157	ug/l	99
46) Dibromomethane	9.301	93	6327	4.145	ug/l	91
47) Bromodichloromethane	9.496	83	14289	4.239	ug/l	98
48) Methyl methacrylate	9.294	41	5756	3.438	ug/l #	84
49) 1,4-Dioxane	9.294	88	1581	72.132	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	32727	16.605	ug/l	88
52) Toluene	10.246	92	26391	4.465	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	14112	3.896	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	16252	4.022	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	8650	4.154	ug/l	93
56) Ethyl methacrylate	10.508	69	10625	3.569	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	14260	4.018	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	26996	21.385	ug/l	91
59) 2-Hexanone	10.831	43	22769	16.353	ug/l	84
60) Dibromochloromethane	10.983	129	9776	4.079	ug/l	98
61) 1,2-Dibromoethane	11.087	107	8179	3.917	ug/l	98
64) Tetrachloroethene	10.721	164	9869	5.171	ug/l	93
65) Chlorobenzene	11.514	112	28567	4.662	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	10054	4.517	ug/l	97
67) Ethyl Benzene	11.593	91	50688	4.727	ug/l	95
68) m/p-Xylenes	11.703	106	39135	9.353	ug/l	94
69) o-Xylene	12.032	106	18565	4.606	ug/l	95
70) Styrene	12.044	104	29722	4.421	ug/l	96
71) Bromoform	12.209	173	5641	3.984	ug/l #	97
73) Isopropylbenzene	12.331	105	50368	5.040	ug/l	100
74) N-amyl acetate	12.142	43	11253	3.731	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.580	83	9849	4.237	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	8892m	3.179	ug/l	
77) Bromobenzene	12.605	156	10624	4.489	ug/l	95
78) n-propylbenzene	12.672	91	60330	4.998	ug/l	99
79) 2-Chlorotoluene	12.757	91	33460	4.853	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	41213	4.988	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	3182	3.963	ug/l	83
82) 4-Chlorotoluene	12.855	91	34024	4.782	ug/l	97
83) tert-Butylbenzene	13.074	119	35140	4.917	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	39748	4.868	ug/l	100
85) sec-Butylbenzene	13.251	105	54421	5.051	ug/l	98
86) p-Isopropyltoluene	13.373	119	44226	5.015	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	21884	4.734	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	22653	4.892	ug/l	95
89) n-Butylbenzene	13.696	91	41697	4.942	ug/l	99
90) Hexachloroethane	13.964	117	8531	4.977	ug/l	77
91) 1,2-Dichlorobenzene	13.739	146	19033	4.550	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1607	4.241	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	11197	4.507	ug/l	98
94) Hexachlorobutadiene	15.111	225	6524	5.460	ug/l	95
95) Naphthalene	15.239	128	24177	3.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	9426	4.329	ug/l	95

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

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