

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007868.D
 Acq On : 17 Mar 2022 09:45
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 17 12:25:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 12:24:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	329279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	535107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	480337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	230844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	22192	6.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.880%#		
35) Dibromofluoromethane	7.716	113	20324	5.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.880%#		
50) Toluene-d8	10.179	98	84040	6.673	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	13.340%#		
62) 4-Bromofluorobenzene	12.483	95	32032	7.891	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	15.780%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18831	7.659	ug/l	98
3) Chloromethane	2.113	50	24775	6.075	ug/l	92
4) Vinyl Chloride	2.253	62	26474	5.359	ug/l	99
5) Bromomethane	2.650	94	19468	4.876	ug/l	96
6) Chloroethane	2.796	64	17153	4.528	ug/l	98
7) Trichlorofluoromethane	3.131	101	37122	6.577	ug/l	97
8) Diethyl Ether	3.534	74	13751	7.572	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	23815	6.912	ug/l	94
10) Methyl Iodide	4.094	142	16285	3.885	ug/l	90
11) Tert butyl alcohol	4.948	59	12376	41.466	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	23043	7.536	ug/l	81
13) Acrolein	3.729	56	9740	32.112	ug/l	97
14) Allyl chloride	4.485	41	37063	8.059	ug/l #	89
15) Acrylonitrile	5.161	53	33859	35.320	ug/l	99
16) Acetone	3.948	43	28313	40.374	ug/l #	88
17) Carbon Disulfide	4.198	76	63859	7.666	ug/l	97
18) Methyl Acetate	4.479	43	26676	11.043	ug/l #	86
19) Methyl tert-butyl Ether	5.216	73	66065	6.961	ug/l	92
20) Methylene Chloride	4.716	84	29618	7.591	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	25536	7.157	ug/l	85
22) Diisopropyl ether	6.125	45	76150	6.931	ug/l #	89
23) Vinyl Acetate	6.058	43	207311	29.837	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	43441	6.544	ug/l	96
25) 2-Butanone	6.984	43	46464	39.497	ug/l #	87
26) 2,2-Dichloropropane	6.984	77	38783	6.565	ug/l	86
27) cis-1,2-Dichloroethene	6.984	96	28587	6.833	ug/l	90
28) Bromochloromethane	7.338	49	16155	5.722	ug/l #	84
29) Tetrahydrofuran	7.344	42	30465	37.848	ug/l #	88
30) Chloroform	7.508	83	43191	6.280	ug/l	97
31) Cyclohexane	7.783	56	48424	8.039	ug/l #	76
32) 1,1,1-Trichloroethane	7.704	97	39846	6.510	ug/l	96
36) 1,1-Dichloropropene	7.917	75	34306	6.375	ug/l	96
37) Ethyl Acetate	7.070	43	19161	6.446	ug/l #	95
38) Carbon Tetrachloride	7.899	117	35028	6.102	ug/l	96
39) Methylcyclohexane	9.185	83	48109	7.274	ug/l	93
40) Benzene	8.161	78	97970	6.541	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	12913m	9.091	ug/l	
42) 1,2-Dichloroethane	8.234	62	27699	5.927	ug/l	88
43) Isopropyl Acetate	8.271	43	36916	6.716	ug/l #	87
44) Trichloroethene	8.941	130	26658	6.409	ug/l	94
45) 1,2-Dichloropropane	9.215	63	23996	6.195	ug/l	97
46) Dibromomethane	9.307	93	14805	6.368	ug/l	96
47) Bromodichloromethane	9.496	83	34408	6.310	ug/l	96
48) Methyl methacrylate	9.295	41	17651	7.408	ug/l #	88
49) 1,4-Dioxane	9.301	88	3823	136.203	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	99292	33.758	ug/l	90
52) Toluene	10.246	92	63121	6.518	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	36986	6.606	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	41510	6.711	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	20512	6.485	ug/l	95
56) Ethyl methacrylate	10.508	69	29797	7.096	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	34502	6.451	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	74176	32.390	ug/l	93
59) 2-Hexanone	10.831	43	71114	35.903	ug/l	89
60) Dibromochloromethane	10.983	129	24259	6.441	ug/l	99
61) 1,2-Dibromoethane	11.093	107	20593	6.831	ug/l	97
64) Tetrachloroethene	10.721	164	22425	6.298	ug/l	96
65) Chlorobenzene	11.520	112	67023	6.405	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	23687	6.053	ug/l	93
67) Ethyl Benzene	11.593	91	120977	6.410	ug/l	99
68) m/p-Xylenes	11.703	106	95051	13.127	ug/l	91
69) o-Xylene	12.032	106	44893	6.542	ug/l	93
70) Styrene	12.044	104	74521	6.486	ug/l	96
71) Bromoform	12.209	173	15601	6.403	ug/l #	97
73) Isopropylbenzene	12.331	105	116521	6.479	ug/l	99
74) N-amyl acetate	12.142	43	33933	7.088	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	24761	6.565	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	19791m	7.677	ug/l	
77) Bromobenzene	12.611	156	26153	6.314	ug/l	95
78) n-propylbenzene	12.672	91	142112	6.549	ug/l	98
79) 2-Chlorotoluene	12.758	91	79540	6.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	96372	6.702	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8901	7.059	ug/l #	82
82) 4-Chlorotoluene	12.855	91	83994	7.032	ug/l	98
83) tert-Butylbenzene	13.075	119	84087	6.357	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	94192	6.650	ug/l	96
85) sec-Butylbenzene	13.257	105	127041	6.493	ug/l	99
86) p-Isopropyltoluene	13.373	119	103529	6.406	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	52044	6.314	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	51640	6.347	ug/l	96
89) n-Butylbenzene	13.696	91	99016	6.483	ug/l	97
90) Hexachloroethane	13.959	117	19948	6.512	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	45035	6.153	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4538	7.944	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	27357	5.904	ug/l	96
94) Hexachlorobutadiene	15.111	225	15010	5.479	ug/l	99
95) Naphthalene	15.239	128	60651	6.434	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	24374	5.902	ug/l	97

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

