

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050222\
 Data File : VY008571.D
 Acq On : 02 May 2022 15:03
 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 : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 01:49:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:48:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	128241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	197374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	6820	5.293	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.580%#		
35) Dibromofluoromethane	7.722	113	6387	4.854	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.700%#		
50) Toluene-d8	10.179	98	22887	4.897	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.800%#		
62) 4-Bromofluorobenzene	12.483	95	8530	4.639	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.280%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	7395	5.864	ug/l	95
3) Chloromethane	2.113	50	8909	5.504	ug/l	99
4) Vinyl Chloride	2.253	62	10373	5.279	ug/l	99
5) Bromomethane	2.650	94	9929	5.808	ug/l	96
6) Chloroethane	2.790	64	6564	5.149	ug/l	94
7) Trichlorofluoromethane	3.125	101	13146	5.336	ug/l	93
8) Diethyl Ether	3.528	74	4120	5.237	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.899	101	7971	5.597	ug/l	93
10) Methyl Iodide	4.088	142	8000	4.588	ug/l #	81
11) Tert butyl alcohol	4.948	59	5044	31.971	ug/l #	88
12) 1,1-Dichloroethene	3.869	96	7617	5.684	ug/l #	71
13) Acrolein	3.729	56	4600	26.764	ug/l	96
14) Allyl chloride	4.479	41	8274	5.036	ug/l #	88
15) Acrylonitrile	5.168	53	9304	25.199	ug/l	98
16) Acetone	3.954	43	7445	26.404	ug/l	93
17) Carbon Disulfide	4.192	76	19937	5.135	ug/l	97
18) Methyl Acetate	4.479	43	6607	7.340	ug/l #	79
19) Methyl tert-butyl Ether	5.222	73	19689	5.172	ug/l	94
20) Methylene Chloride	4.716	84	17553	8.560	ug/l #	77
21) trans-1,2-Dichloroethene	5.222	96	8476	5.516	ug/l	83
22) Diisopropyl ether	6.119	45	19597	5.144	ug/l #	92
23) Vinyl Acetate	6.058	43	53873	21.466	ug/l #	90
24) 1,1-Dichloroethane	6.015	63	12626	5.267	ug/l	95
25) 2-Butanone	6.984	43	11389	25.165	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	12238	5.303	ug/l	94
27) cis-1,2-Dichloroethene	6.990	96	9823	5.592	ug/l	79
28) Bromochloromethane	7.338	49	5677	6.161	ug/l #	52
29) Tetrahydrofuran	7.350	42	7229	24.127	ug/l #	71
30) Chloroform	7.509	83	14459	5.379	ug/l	99
31) Cyclohexane	7.783	56	12392	5.510	ug/l #	68
32) 1,1,1-Trichloroethane	7.704	97	12820	5.229	ug/l	95
36) 1,1-Dichloropropene	7.917	75	11239	5.558	ug/l	94
37) Ethyl Acetate	7.070	43	5584	5.221	ug/l #	90
38) Carbon Tetrachloride	7.899	117	12106	5.329	ug/l	98
39) Methylcyclohexane	9.179	83	13999	5.262	ug/l #	83
40) Benzene	8.167	78	31201	5.317	ug/l	93

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	2148	4.425	ug/l #	61
42) 1,2-Dichloroethane	8.240	62	9204	5.331	ug/l	87
43) Isopropyl Acetate	8.271	43	9534	4.929	ug/l #	84
44) Trichloroethene	8.941	130	10373	5.808	ug/l	85
45) 1,2-Dichloropropane	9.216	63	7059	5.089	ug/l	96
46) Dibromomethane	9.301	93	5342	5.642	ug/l	97
47) Bromodichloromethane	9.496	83	10753	5.125	ug/l	99
48) Methyl methacrylate	9.289	41	4182	4.938	ug/l #	80
49) 1,4-Dioxane	9.295	88	1091	87.615	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	25314	24.946	ug/l #	86
52) Toluene	10.246	92	20845	5.342	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	10964	4.971	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	12664	5.139	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	7280	5.528	ug/l	92
56) Ethyl methacrylate	10.514	69	8205	4.894	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	11355	5.340	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	21998	25.410	ug/l #	85
59) 2-Hexanone	10.831	43	16076	23.236	ug/l	82
60) Dibromochloromethane	10.984	129	8578	5.245	ug/l	97
61) 1,2-Dibromoethane	11.087	107	7211	5.410	ug/l	100
64) Tetrachloroethene	10.721	164	9409	5.561	ug/l	90
65) Chlorobenzene	11.514	112	24053	5.369	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.593	131	8543	5.055	ug/l	95
67) Ethyl Benzene	11.593	91	38496	5.047	ug/l	98
68) m/p-Xylenes	11.703	106	31568	10.243	ug/l	88
69) o-Xylene	12.032	106	15050	5.084	ug/l	87
70) Styrene	12.044	104	23839	4.829	ug/l	94
71) Bromoform	12.209	173	5598	5.065	ug/l #	97
73) Isopropylbenzene	12.331	105	38178	5.391	ug/l	99
74) N-amyl acetate	12.148	43	7837	4.882	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	7848	5.166	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	5074m	4.884	ug/l	
77) Bromobenzene	12.611	156	10621	5.403	ug/l	80
78) n-propylbenzene	12.672	91	44471	5.098	ug/l	94
79) 2-Chlorotoluene	12.758	91	25463	5.189	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	31302	5.061	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	2221	4.546	ug/l	88
82) 4-Chlorotoluene	12.855	91	26262	5.206	ug/l	93
83) tert-Butylbenzene	13.075	119	28738	5.189	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	31606	5.162	ug/l	95
85) sec-Butylbenzene	13.251	105	42265	5.159	ug/l	97
86) p-Isopropyltoluene	13.373	119	35017	5.015	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	20712	5.434	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	20918	5.551	ug/l	99
89) n-Butylbenzene	13.696	91	31269	5.080	ug/l	97
90) Hexachloroethane	13.965	117	6585	5.087	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	18596	5.445	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1114	4.785	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.007	180	11616	5.291	ug/l	93
94) Hexachlorobutadiene	15.111	225	6714	5.431	ug/l	98
95) Naphthalene	15.239	128	21742	4.947	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	10538	5.439	ug/l	99

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

