

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007350.D
 Acq On : 02 Feb 2022 12:23
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/07/2022

Quant Time: Feb 03 04:28:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:23:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	144395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	244452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	213789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82543	49.698	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.400%		
35) Dibromofluoromethane	7.722	113	76367	48.650	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.300%		
50) Toluene-d8	10.185	98	284565	49.069	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.140%		
62) 4-Bromofluorobenzene	12.483	95	94073	47.725	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	80717	47.745	ug/l	99
3) Chloromethane	2.113	50	94167	45.447	ug/l	99
4) Vinyl Chloride	2.253	62	98054	49.185	ug/l	100
5) Bromomethane	2.656	94	61468	50.904	ug/l	94
6) Chloroethane	2.802	64	61003	49.826	ug/l	94
7) Trichlorofluoromethane	3.131	101	161081	49.862	ug/l	95
8) Diethyl Ether	3.534	74	47513	49.548	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.906	101	89686	49.294	ug/l	93
10) Methyl Iodide	4.094	142	106808	54.455	ug/l	94
11) Tert butyl alcohol	4.948	59	47342	178.175	ug/l	99
12) 1,1-Dichloroethene	3.881	96	84167	50.081	ug/l	88
13) Acrolein	3.735	56	56116	251.508	ug/l	98
14) Allyl chloride	4.485	41	130168	50.426	ug/l #	95
15) Acrylonitrile	5.167	53	110721	245.759	ug/l	99
16) Acetone	3.948	43	156525	290.175	ug/l	92
17) Carbon Disulfide	4.204	76	265843	50.386	ug/l	99
18) Methyl Acetate	4.485	43	48901	48.401	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	236074	49.858	ug/l	96
20) Methylene Chloride	4.722	84	88998	47.186	ug/l	86
21) trans-1,2-Dichloroethene	5.228	96	92566	49.787	ug/l	88
22) Diisopropyl ether	6.125	45	266718	49.312	ug/l #	95
23) Vinyl Acetate	6.064	43	883151	250.364	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	161797	49.530	ug/l	99
25) 2-Butanone	6.990	43	175619	269.470	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	156775	50.156	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	102682	49.999	ug/l	91
28) Bromochloromethane	7.338	49	63424	49.655	ug/l #	86
29) Tetrahydrofuran	7.350	42	94781	251.677	ug/l #	88
30) Chloroform	7.508	83	168433	49.566	ug/l	100
31) Cyclohexane	7.789	56	155540	47.994	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	158132	50.069	ug/l	96
36) 1,1-Dichloropropene	7.923	75	135205	49.269	ug/l	100
37) Ethyl Acetate	7.076	43	66266	48.571	ug/l	96
38) Carbon Tetrachloride	7.905	117	144040	49.960	ug/l	98
39) Methylcyclohexane	9.185	83	171654	49.808	ug/l	91
40) Benzene	8.167	78	359593	49.435	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	36232m	41.732	ug/l	
42) 1,2-Dichloroethane	8.240	62	109050	49.317	ug/l	95
43) Isopropyl Acetate	8.277	43	127282	49.886	ug/l #	91
44) Trichloroethene	8.941	130	96877	49.257	ug/l	88
45) 1,2-Dichloropropane	9.222	63	87645	48.864	ug/l	97
46) Dibromomethane	9.307	93	52701	49.386	ug/l	91
47) Bromodichloromethane	9.496	83	129104	50.030	ug/l	99
48) Methyl methacrylate	9.295	41	57893	50.173	ug/l #	89
49) 1,4-Dioxane	9.301	88	12628	1080.309	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	324120	250.477	ug/l	92
52) Toluene	10.246	92	226827	49.492	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	135806	50.376	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	151552	50.190	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	69342	49.476	ug/l	97
56) Ethyl methacrylate	10.508	69	98178	50.434	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	121945	49.074	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	254028	250.865	ug/l	97
59) 2-Hexanone	10.831	43	253092	268.280	ug/l	90
60) Dibromochloromethane	10.983	129	86579	49.621	ug/l	99
61) 1,2-Dibromoethane	11.087	107	69002	49.764	ug/l	100
64) Tetrachloroethene	10.721	164	83937	50.029	ug/l	96
65) Chlorobenzene	11.520	112	236857	49.803	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	88588	49.898	ug/l	98
67) Ethyl Benzene	11.593	91	446445	49.469	ug/l	99
68) m/p-Xylenes	11.703	106	336633	100.711	ug/l	98
69) o-Xylene	12.032	106	159344	50.421	ug/l	98
70) Styrene	12.044	104	264065	50.688	ug/l	98
71) Bromoform	12.209	173	49703	50.741	ug/l #	98
73) Isopropylbenzene	12.331	105	425439	49.385	ug/l	98
74) N-amyl acetate	12.142	43	109028	51.130	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	77825	49.469	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	58677m	51.673	ug/l	
77) Bromobenzene	12.611	156	89510	49.327	ug/l	97
78) n-propylbenzene	12.672	91	525178	50.331	ug/l	99
79) 2-Chlorotoluene	12.758	91	287233	49.718	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	354534	50.448	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	29106	52.037	ug/l #	73
82) 4-Chlorotoluene	12.855	91	296167	49.913	ug/l	98
83) tert-Butylbenzene	13.075	119	306339	50.072	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	347283	50.189	ug/l	99
85) sec-Butylbenzene	13.251	105	458744	49.991	ug/l	98
86) p-Isopropyltoluene	13.367	119	378103	50.580	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	177050	50.322	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	173953	49.599	ug/l	97
89) n-Butylbenzene	13.696	91	363925	50.581	ug/l	99
90) Hexachloroethane	13.959	117	71422	50.556	ug/l	78
91) 1,2-Dichlorobenzene	13.739	146	152465	49.232	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12751	49.875	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	92964	50.690	ug/l	98
94) Hexachlorobutadiene	15.111	225	51544	50.770	ug/l	99
95) Naphthalene	15.233	128	197303	51.769	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	77601	50.127	ug/l	98

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

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