

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052022\
 Data File : VY008914.D
 Acq On : 20 May 2022 19:24
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 20 23:00:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 22:58:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	131112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	216968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	210610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	31661	27.027	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	54.060%		
35) Dibromofluoromethane	7.716	113	29831	24.118	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	48.240%#		
50) Toluene-d8	10.179	98	117493	25.349	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	50.700%		
62) 4-Bromofluorobenzene	12.483	95	40213	22.815	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	45.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	24325	22.917	ug/l	96
3) Chloromethane	2.113	50	35718	22.098	ug/l	97
4) Vinyl Chloride	2.247	62	54242	23.641	ug/l	96
5) Bromomethane	2.625	94	62630	35.167	ug/l	97
6) Chloroethane	2.784	64	40174	24.093	ug/l	93
7) Trichlorofluoromethane	3.119	101	47110	22.319	ug/l	94
8) Diethyl Ether	3.521	74	14534	24.064	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	27142	21.408	ug/l	95
10) Methyl Iodide	4.088	142	27275	19.302	ug/l	94
11) Tert butyl alcohol	4.954	59	15156	111.661	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	25800	22.316	ug/l	86
13) Acrolein	3.722	56	7050	111.191	ug/l	98
14) Allyl chloride	4.472	41	36406	21.257	ug/l #	82
15) Acrylonitrile	5.161	53	39583	100.212	ug/l	98
16) Acetone	3.942	43	30520	97.534	ug/l #	87
17) Carbon Disulfide	4.186	76	82432	23.470	ug/l	99
18) Methyl Acetate	4.472	43	18499	18.520	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	75747	24.000	ug/l	99
20) Methylene Chloride	4.710	84	39297	23.831	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	31656	22.279	ug/l	88
22) Diisopropyl ether	6.118	45	88248	23.973	ug/l #	94
23) Vinyl Acetate	6.057	43	298588	116.410	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	53854	22.447	ug/l	98
25) 2-Butanone	6.984	43	52028	100.968	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	50465	22.309	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	36261	22.860	ug/l	88
28) Bromochloromethane	7.325	49	19724	22.447	ug/l	91
29) Tetrahydrofuran	7.344	42	34640	100.550	ug/l #	86
30) Chloroform	7.508	83	57909	22.560	ug/l	97
31) Cyclohexane	7.777	56	52053	22.934	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	52951	22.254	ug/l	97
36) 1,1-Dichloropropene	7.911	75	44899	21.283	ug/l	98
37) Ethyl Acetate	7.076	43	23561	19.216	ug/l #	94
38) Carbon Tetrachloride	7.899	117	47447	21.076	ug/l	98
39) Methylcyclohexane	9.185	83	57715	22.601	ug/l #	86
40) Benzene	8.161	78	131008	22.122	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	12217m	18.917	ug/l	
42) 1,2-Dichloroethane	8.234	62	38678	22.244	ug/l	94
43) Isopropyl Acetate	8.270	43	44379	21.370	ug/l #	92
44) Trichloroethene	8.941	130	34731	21.683	ug/l	98
45) 1,2-Dichloropropane	9.215	63	31386	22.224	ug/l	93
46) Dibromomethane	9.307	93	20301	21.961	ug/l	93
47) Bromodichloromethane	9.496	83	46542	22.685	ug/l	96
48) Methyl methacrylate	9.289	41	19892	21.635	ug/l #	86
49) 1,4-Dioxane	9.295	88	5402	401.488	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	124023	102.196	ug/l	92
52) Toluene	10.246	92	86797	21.418	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	47224	22.025	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	51222	22.189	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	27589	21.948	ug/l	98
56) Ethyl methacrylate	10.508	69	33512	21.672	ug/l	88
57) 1,3-Dichloropropane	10.788	76	45630	22.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	78529	103.536	ug/l	94
59) 2-Hexanone	10.831	43	85334	99.330	ug/l	91
60) Dibromochloromethane	10.983	129	33268	21.904	ug/l	97
61) 1,2-Dibromoethane	11.087	107	28003	22.299	ug/l	94
64) Tetrachloroethene	10.715	164	29650	21.159	ug/l	93
65) Chlorobenzene	11.514	112	94714	21.466	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	34431	21.265	ug/l	97
67) Ethyl Benzene	11.593	91	167961	21.183	ug/l	97
68) m/p-Xylenes	11.703	106	136578	42.976	ug/l	92
69) o-Xylene	12.032	106	63675	21.704	ug/l	92
70) Styrene	12.044	104	106050	21.185	ug/l	95
71) Bromoform	12.209	173	21715	19.766	ug/l #	99
73) Isopropylbenzene	12.331	105	170040	20.435	ug/l	98
74) N-amyl acetate	12.142	43	41794	21.170	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	35882	19.659	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	25768m	18.703	ug/l	
77) Bromobenzene	12.605	156	39045	20.262	ug/l	94
78) n-propylbenzene	12.672	91	213068	22.339	ug/l	99
79) 2-Chlorotoluene	12.757	91	113070	20.404	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	141661	20.963	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	12011	19.194	ug/l	87
82) 4-Chlorotoluene	12.855	91	122923	20.927	ug/l	98
83) tert-Butylbenzene	13.074	119	127795	21.107	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	144843	21.614	ug/l	97
85) sec-Butylbenzene	13.251	105	196311	20.805	ug/l	100
86) p-Isopropyltoluene	13.367	119	164557	21.344	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	84811	20.886	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	84822	21.135	ug/l	100
89) n-Butylbenzene	13.696	91	156416	21.535	ug/l	99
90) Hexachloroethane	13.958	117	30983	21.297	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	74932	21.162	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5555	18.047	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	40202	20.809	ug/l	99
94) Hexachlorobutadiene	15.111	225	22392	20.281	ug/l	98
95) Naphthalene	15.239	128	80329	18.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	35461	20.955	ug/l	98

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

