

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010761.D
 Acq On : 03 Oct 2022 12:33
 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 :Krupa Patel 10/04/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 07:06:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:03:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	254731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	410347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	365569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	48827	18.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.820%#		
35) Dibromofluoromethane	7.716	113	62541	22.960	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	45.920%#		
50) Toluene-d8	10.179	98	152614	16.383	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	32.760%#		
62) 4-Bromofluorobenzene	12.483	95	102917	26.056	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	52.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	35632	20.191	ug/l	98
3) Chloromethane	2.113	50	58651	19.982	ug/l	94
4) Vinyl Chloride	2.247	62	70127	19.841	ug/l	99
5) Bromomethane	2.637	94	49796	19.855	ug/l	98
6) Chloroethane	2.790	64	48195	20.461	ug/l	98
7) Trichlorofluoromethane	3.125	101	86125	20.009	ug/l	94
8) Diethyl Ether	3.528	74	28084	20.281	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	48851	19.796	ug/l	96
10) Methyl Iodide	4.088	142	65420	19.831	ug/l	92
11) Tert butyl alcohol	4.942	59	41026	113.750	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	48248	20.034	ug/l	83
13) Acrolein	3.729	56	24261	122.092	ug/l	98
14) Allyl chloride	4.472	41	71700	19.888	ug/l #	93
15) Acrylonitrile	5.161	53	70994	105.240	ug/l	98
16) Acetone	3.942	43	60998	93.018	ug/l	93
17) Carbon Disulfide	4.192	76	155061	19.923	ug/l	99
18) Methyl Acetate	4.472	43	35484	21.141	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	126362	20.043	ug/l	94
20) Methylene Chloride	4.710	84	68727	19.899	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	55286	19.659	ug/l	88
22) Diisopropyl ether	6.112	45	156408	19.782	ug/l	98
23) Vinyl Acetate	6.058	43	480871	100.404	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	95285	19.790	ug/l	98
25) 2-Butanone	6.984	43	93906	99.604	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	88251	19.309	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	61350	19.658	ug/l	91
28) Bromochloromethane	7.332	49	20551	13.426	ug/l	92
29) Tetrahydrofuran	7.344	42	58812	106.080	ug/l #	86
30) Chloroform	7.502	83	98042	19.731	ug/l	97
31) Cyclohexane	7.783	56	89505	19.366	ug/l #	89
32) 1,1,1-Trichloroethane	7.697	97	88768	19.831	ug/l	97
36) 1,1-Dichloropropene	7.917	75	76872	19.549	ug/l	98
37) Ethyl Acetate	7.070	43	41468	21.490	ug/l #	94
38) Carbon Tetrachloride	7.899	117	79870	19.501	ug/l	99
39) Methylcyclohexane	9.185	83	94898	19.647	ug/l	89
40) Benzene	8.161	78	223145	19.700	ug/l	96

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41) Methacrylonitrile	7.313	41	21216m	21.586	ug/l	
42) 1,2-Dichloroethane	8.234	62	63746	19.906	ug/l	92
43) Isopropyl Acetate	8.271	43	72269	20.693	ug/l #	91
44) Trichloroethene	8.941	130	59830	19.507	ug/l	99
45) 1,2-Dichloropropane	9.216	63	53122	19.453	ug/l	97
46) Dibromomethane	9.307	93	31133	19.932	ug/l	97
47) Bromodichloromethane	9.496	83	73812	19.582	ug/l	99
48) Methyl methacrylate	9.295	41	33477	20.408	ug/l #	86
49) 1,4-Dioxane	9.295	88	8514	442.802	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	201399	105.403	ug/l	91
52) Toluene	10.246	92	139824	19.396	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	75530	19.354	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	86153	19.278	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	43662	19.922	ug/l	99
56) Ethyl methacrylate	10.508	69	55800	19.815	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	73999	19.859	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	99483	79.866	ug/l	95
59) 2-Hexanone	10.831	43	135231	102.187	ug/l	88
60) Dibromochloromethane	10.983	129	51793	19.710	ug/l	100
61) 1,2-Dibromoethane	11.087	107	42151	20.171	ug/l	99
64) Tetrachloroethene	10.721	164	57367	19.792	ug/l	99
65) Chlorobenzene	11.514	112	149242	19.714	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	54059	19.536	ug/l	98
67) Ethyl Benzene	11.593	91	265039	19.453	ug/l	99
68) m/p-Xylenes	11.703	106	207372	38.892	ug/l	95
69) o-Xylene	12.026	106	96177	19.293	ug/l	95
70) Styrene	12.044	104	163523	19.463	ug/l	96
71) Bromoform	12.209	173	33192	20.152	ug/l #	98
73) Isopropylbenzene	12.331	105	257566	19.708	ug/l	99
74) N-amyl acetate	12.142	43	60230	20.052	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	50238	20.575	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	38480m	21.539	ug/l	
77) Bromobenzene	12.605	156	58856	19.631	ug/l	97
78) n-propylbenzene	12.672	91	314102	19.735	ug/l	99
79) 2-Chlorotoluene	12.758	91	174349	19.579	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	219782	19.883	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	17043	19.775	ug/l	91
82) 4-Chlorotoluene	12.855	91	181305	19.471	ug/l	99
83) tert-Butylbenzene	13.075	119	185374	19.671	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	217010	19.968	ug/l	98
85) sec-Butylbenzene	13.251	105	277953	19.594	ug/l	99
86) p-Isopropyltoluene	13.367	119	236183	19.845	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	117930	19.380	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	119439	19.822	ug/l	99
89) n-Butylbenzene	13.696	91	215184	19.648	ug/l	99
90) Hexachloroethane	13.959	117	44460	19.530	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	104722	19.744	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8180	20.834	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	61078	19.626	ug/l	99
94) Hexachlorobutadiene	15.111	225	38613	20.124	ug/l	99
95) Naphthalene	15.233	128	118400	19.962	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	52555	19.811	ug/l	99

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

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