

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010269.D
 Acq On : 02 Sep 2022 09:57
 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 :Krupa Patel 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 16:23:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:23:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	398696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	655341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	575452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	270884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	21722	5.314	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.620%#		
35) Dibromofluoromethane	7.716	113	20704	4.746	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.500%#		
50) Toluene-d8	10.179	98	83685	5.729	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.460%#		
62) 4-Bromofluorobenzene	12.483	95	30223	4.462	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	8.920%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	17010	5.344	ug/l	97
3) Chloromethane	2.113	50	23999	5.523	ug/l	98
4) Vinyl Chloride	2.247	62	24844	5.247	ug/l	97
5) Bromomethane	2.650	94	18241	6.069	ug/l	97
6) Chloroethane	2.790	64	15460	5.338	ug/l	99
7) Trichlorofluoromethane	3.125	101	34102	5.138	ug/l	93
8) Diethyl Ether	3.522	74	11906	5.020	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.900	101	21317	5.201	ug/l	95
10) Methyl Iodide	4.088	142	21412	4.342	ug/l	89
11) Tert butyl alcohol	4.942	59	13893	28.406	ug/l	99
12) 1,1-Dichloroethene	3.869	96	20649	5.203	ug/l	86
13) Acrolein	3.723	56	12165	23.496	ug/l	98
14) Allyl chloride	4.473	41	36310	5.198	ug/l	90
15) Acrylonitrile	5.161	53	29931	24.222	ug/l	97
16) Acetone	3.942	43	24228	23.707	ug/l	99
17) Carbon Disulfide	4.192	76	64050	5.298	ug/l	100
18) Methyl Acetate	4.473	43	16241	5.121	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	58046	5.003	ug/l	98
20) Methylene Chloride	4.710	84	28168	5.711	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	23689	5.267	ug/l	90
22) Diisopropyl ether	6.113	45	72953	5.138	ug/l	95
23) Vinyl Acetate	6.058	43	217751	24.462	ug/l	96
24) 1,1-Dichloroethane	6.015	63	42074	5.144	ug/l	97
25) 2-Butanone	6.984	43	40717	24.276	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	39997	5.369	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	26017	5.062	ug/l	95
28) Bromochloromethane	7.332	49	15739	5.751	ug/l	89
29) Tetrahydrofuran	7.344	42	25329	23.561	ug/l	89
30) Chloroform	7.503	83	42101	5.227	ug/l	98
31) Cyclohexane	7.783	56	46953	5.888	ug/l #	75
32) 1,1,1-Trichloroethane	7.704	97	37931	5.169	ug/l	97
36) 1,1-Dichloropropene	7.911	75	32937	5.146	ug/l	95
37) Ethyl Acetate	7.076	43	18136	4.942	ug/l #	94
38) Carbon Tetrachloride	7.899	117	32941	4.993	ug/l	96
39) Methylcyclohexane	9.179	83	42799	5.179	ug/l	95
40) Benzene	8.155	78	95049	5.185	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	10979m	5.292	ug/l	
42) 1,2-Dichloroethane	8.234	62	26839	5.049	ug/l	90
43) Isopropyl Acetate	8.271	43	33224	4.749	ug/l #	91
44) Trichloroethene	8.935	130	25420	5.051	ug/l	94
45) 1,2-Dichloropropane	9.216	63	24298	5.202	ug/l	98
46) Dibromomethane	9.301	93	12870	5.017	ug/l	96
47) Bromodichloromethane	9.496	83	32357	5.129	ug/l	93
48) Methyl methacrylate	9.295	41	15816	4.847	ug/l	85
49) 1,4-Dioxane	9.289	88	3422	96.945	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	84166	23.319	ug/l	93
52) Toluene	10.240	92	60887	5.192	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	33813	4.969	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	38797	5.057	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	17578	4.827	ug/l	99
56) Ethyl methacrylate	10.508	69	25683	4.774	ug/l #	83
57) 1,3-Dichloropropane	10.789	76	31556	4.972	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	62301	34.591	ug/l	98
59) 2-Hexanone	10.831	43	56050	22.395	ug/l	89
60) Dibromochloromethane	10.984	129	21200	4.831	ug/l	94
61) 1,2-Dibromoethane	11.087	107	17342	4.928	ug/l	99
64) Tetrachloroethene	10.715	164	24579	5.237	ug/l	97
65) Chlorobenzene	11.514	112	63005	5.138	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	22947	5.096	ug/l	97
67) Ethyl Benzene	11.593	91	116642	5.194	ug/l	96
68) m/p-Xylenes	11.703	106	86497	10.084	ug/l	97
69) o-Xylene	12.026	106	43396	5.211	ug/l	92
70) Styrene	12.044	104	70369	5.072	ug/l	97
71) Bromoform	12.209	173	13475	4.841	ug/l #	97
73) Isopropylbenzene	12.331	105	112555	5.208	ug/l	100
74) N-amyl acetate	12.142	43	27521	4.616	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	20521	4.941	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	16336m	5.310	ug/l	
77) Bromobenzene	12.605	156	26169	5.323	ug/l	95
78) n-propylbenzene	12.672	91	136438	5.259	ug/l	99
79) 2-Chlorotoluene	12.758	91	76326	5.205	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	94554	5.222	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	7056	4.566	ug/l	90
82) 4-Chlorotoluene	12.855	91	77973	5.164	ug/l	99
83) tert-Butylbenzene	13.075	119	81654	5.191	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	91619	5.152	ug/l	99
85) sec-Butylbenzene	13.251	105	122096	5.248	ug/l	100
86) p-Isopropyltoluene	13.367	119	97681	5.083	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	49635	5.200	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	49857	5.253	ug/l	96
89) n-Butylbenzene	13.697	91	93419	5.143	ug/l	98
90) Hexachloroethane	13.959	117	19012	5.154	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	44017	5.174	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3746	5.118	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	26179	4.971	ug/l	99
94) Hexachlorobutadiene	15.111	225	16796	5.442	ug/l	99
95) Naphthalene	15.233	128	49708	4.549	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	21561	4.834	ug/l	98

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

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