

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010766.D
 Acq On : 03 Oct 2022 14:38
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY100322

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/04/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 07:28:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	267232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	426592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	390128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	198699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	137088	50.610	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.220%			
35) Dibromofluoromethane	7.716	113	130174	45.970	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.940%			
50) Toluene-d8	10.179	98	524677	54.178	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.360%			
62) 4-Bromofluorobenzene	12.483	95	178816	47.045	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	90614	48.945	ug/l	98
3) Chloromethane	2.113	50	152248	49.443	ug/l	96
4) Vinyl Chloride	2.253	62	181305	48.897	ug/l	100
5) Bromomethane	2.650	94	131556	50.002	ug/l	98
6) Chloroethane	2.790	64	120518	48.772	ug/l	100
7) Trichlorofluoromethane	3.125	101	215750	47.780	ug/l	91
8) Diethyl Ether	3.527	74	73440	50.555	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	124213	47.980	ug/l	95
10) Methyl Iodide	4.088	142	158955	45.931	ug/l	92
11) Tert butyl alcohol	4.948	59	66416	285.911	ug/l	98
12) 1,1-Dichloroethene	3.869	96	122570	48.513	ug/l	85
13) Acrolein	3.729	56	44884	239.761	ug/l	97
14) Allyl chloride	4.478	41	183132	48.421	ug/l #	94
15) Acrylonitrile	5.155	53	176863	249.912	ug/l	97
16) Acetone	3.942	43	198887	289.102	ug/l #	88
17) Carbon Disulfide	4.192	76	391664	47.970	ug/l	99
18) Methyl Acetate	4.478	43	85181	48.472	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	337954	51.098	ug/l	95
20) Methylene Chloride	4.710	84	148123	49.030	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	143396	48.605	ug/l	87
22) Diisopropyl ether	6.118	45	408841	49.290	ug/l #	92
23) Vinyl Acetate	6.057	43	1291620	257.069	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	243443	48.195	ug/l	99
25) 2-Butanone	6.984	43	264451	267.376	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	223859	46.689	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	160640	49.064	ug/l	90
28) Bromochloromethane	7.332	49	97497	51.931	ug/l	86
29) Tetrahydrofuran	7.344	42	147640	253.842	ug/l #	86
30) Chloroform	7.502	83	253176	48.567	ug/l	98
31) Cyclohexane	7.783	56	222609	45.913	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	229769	48.929	ug/l	96
36) 1,1-Dichloropropene	7.917	75	198783	48.627	ug/l	98
37) Ethyl Acetate	7.069	43	104154	51.921	ug/l #	94
38) Carbon Tetrachloride	7.899	117	208120	48.880	ug/l	99
39) Methylcyclohexane	9.179	83	247399	49.270	ug/l	90
40) Benzene	8.161	78	575665	48.885	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	55156m	47.100	ug/l	
42) 1,2-Dichloroethane	8.234	62	166302	49.953	ug/l	93
43) Isopropyl Acetate	8.270	43	183699	50.595	ug/l #	89
44) Trichloroethene	8.935	130	154590	48.484	ug/l	97
45) 1,2-Dichloropropane	9.215	63	139771	49.235	ug/l	97
46) Dibromomethane	9.301	93	81662	50.291	ug/l	97
47) Bromodichloromethane	9.496	83	197821	50.481	ug/l	100
48) Methyl methacrylate	9.289	41	89191	52.302	ug/l #	87
49) 1,4-Dioxane	9.295	88	21437	1072.455	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	522986	263.285	ug/l	90
52) Toluene	10.246	92	379821	50.680	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	206693	50.946	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	231525	49.833	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	114068	50.064	ug/l	97
56) Ethyl methacrylate	10.508	69	157151	53.681	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	194463	50.200	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	386324	255.960	ug/l	96
59) 2-Hexanone	10.831	43	387903	281.956	ug/l	87
60) Dibromochloromethane	10.983	129	139531	51.077	ug/l	99
61) 1,2-Dibromoethane	11.087	107	111438	51.296	ug/l	100
64) Tetrachloroethene	10.721	164	149006	48.171	ug/l	98
65) Chlorobenzene	11.514	112	398086	49.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	148562	50.309	ug/l	98
67) Ethyl Benzene	11.593	91	730565	50.247	ug/l	99
68) m/p-Xylenes	11.703	106	575324	101.109	ug/l	94
69) o-Xylene	12.026	106	269501	50.658	ug/l	94
70) Styrene	12.044	104	460174	51.324	ug/l	96
71) Bromoform	12.209	173	89391	50.855	ug/l #	98
73) Isopropylbenzene	12.331	105	712841	48.800	ug/l	100
74) N-amyl acetate	12.142	43	171439	51.066	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	131643	48.236	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	103754m	51.562	ug/l	
77) Bromobenzene	12.605	156	163784	48.877	ug/l	97
78) n-propylbenzene	12.672	91	867495	48.762	ug/l	99
79) 2-Chlorotoluene	12.757	91	484600	48.688	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	605119	48.978	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	48420	50.266	ug/l	87
82) 4-Chlorotoluene	12.855	91	507381	48.751	ug/l	99
83) tert-Butylbenzene	13.075	119	522474	49.604	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	605793	49.872	ug/l	99
85) sec-Butylbenzene	13.251	105	781620	49.298	ug/l	100
86) p-Isopropyltoluene	13.367	119	664479	49.953	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	333319	49.007	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	327610	48.645	ug/l	99
89) n-Butylbenzene	13.696	91	608515	49.711	ug/l	99
90) Hexachloroethane	13.958	117	120406	47.322	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	290966	49.082	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21098	48.075	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	170160	48.920	ug/l	99
94) Hexachlorobutadiene	15.111	225	99504	46.397	ug/l	99
95) Naphthalene	15.233	128	334677	50.484	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	142798	48.159	ug/l	99

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

