

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010549.D
 Acq On : 19 Sep 2022 13:01
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/20/2022
 Supervised By :Mahesh Dadoda 09/20/2022

Quant Time: Sep 20 00:39:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 00:36:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	295205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	471203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	417237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	204705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	50716	17.962	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	35.920%#		
35) Dibromofluoromethane	7.710	113	67959	22.599	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	45.200%#		
50) Toluene-d8	10.173	98	160199	15.641	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	31.280%#		
62) 4-Bromofluorobenzene	12.477	95	112789	25.256	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	50.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	38879	23.617	ug/l	98
3) Chloromethane	2.107	50	53248	23.089	ug/l	95
4) Vinyl Chloride	2.241	62	66932	23.119	ug/l	99
5) Bromomethane	2.631	94	45914	22.243	ug/l	99
6) Chloroethane	2.778	64	46741	22.477	ug/l	98
7) Trichlorofluoromethane	3.113	101	86584	22.322	ug/l	97
8) Diethyl Ether	3.522	74	28328	21.300	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.887	101	49343	21.137	ug/l	96
10) Methyl Iodide	4.082	142	61032	22.631	ug/l	90
11) Tert butyl alcohol	4.948	59	30477	106.289	ug/l	99
12) 1,1-Dichloroethene	3.857	96	45752	21.948	ug/l	86
13) Acrolein	3.723	56	14448	109.997	ug/l	99
14) Allyl chloride	4.466	41	67026	21.327	ug/l #	94
15) Acrylonitrile	5.155	53	68967	99.911	ug/l	97
16) Acetone	3.942	43	53811	93.455	ug/l #	84
17) Carbon Disulfide	4.180	76	115326	24.796	ug/l	100
18) Methyl Acetate	4.473	43	39176	20.973	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	130660	20.105	ug/l	96
20) Methylene Chloride	4.704	84	85985	18.564	ug/l #	85
21) trans-1,2-Dichloroethene	5.204	96	51369	21.898	ug/l	93
22) Diisopropyl ether	6.113	45	151222	20.384	ug/l #	94
23) Vinyl Acetate	6.052	43	441017	100.633	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	93248	20.943	ug/l	99
25) 2-Butanone	6.978	43	87444	97.091	ug/l #	83
26) 2,2-Dichloropropane	6.972	77	85877	20.058	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	62638	21.433	ug/l	86
28) Bromochloromethane	7.326	49	22880	12.890	ug/l #	81
29) Tetrahydrofuran	7.338	42	55759	100.799	ug/l #	82
30) Chloroform	7.496	83	98854	20.522	ug/l	100
31) Cyclohexane	7.777	56	80052	21.980	ug/l #	82
32) 1,1,1-Trichloroethane	7.698	97	88738	20.699	ug/l	96
36) 1,1-Dichloropropene	7.911	75	71473	21.331	ug/l	97
37) Ethyl Acetate	7.070	43	37440	19.345	ug/l #	93
38) Carbon Tetrachloride	7.893	117	80029	20.772	ug/l	98
39) Methylcyclohexane	9.179	83	86997	22.183	ug/l	90
40) Benzene	8.155	78	210734	21.097	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	22111m	19.648	ug/l	
42) 1,2-Dichloroethane	8.234	62	63934	20.786	ug/l	94
43) Isopropyl Acetate	8.271	43	69904	19.705	ug/l #	88
44) Trichloroethene	8.935	130	60277	21.080	ug/l	98
45) 1,2-Dichloropropane	9.210	63	52786	20.427	ug/l	98
46) Dibromomethane	9.301	93	31637	20.848	ug/l	98
47) Bromodichloromethane	9.490	83	74998	20.016	ug/l	99
48) Methyl methacrylate	9.289	41	30625	19.556	ug/l #	80
49) 1,4-Dioxane	9.295	88	8738	391.582	ug/l #	86
51) 4-Methyl-2-Pentanone	10.063	43	193415	96.568	ug/l	89
52) Toluene	10.240	92	134842	20.631	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	76438	20.175	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	85296	20.193	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	45163	20.234	ug/l	96
56) Ethyl methacrylate	10.508	69	56642	19.588	ug/l #	80
57) 1,3-Dichloropropane	10.789	76	75422	20.399	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	115935	79.485	ug/l	93
59) 2-Hexanone	10.831	43	129280	95.230	ug/l	87
60) Dibromochloromethane	10.977	129	53903	19.733	ug/l	100
61) 1,2-Dibromoethane	11.081	107	42506	20.341	ug/l	98
64) Tetrachloroethene	10.715	164	58646	21.041	ug/l	99
65) Chlorobenzene	11.514	112	148547	20.589	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	55356	19.694	ug/l	95
67) Ethyl Benzene	11.587	91	261816	20.665	ug/l	99
68) m/p-Xylenes	11.697	106	204794	41.727	ug/l	94
69) o-Xylene	12.026	106	97476	20.371	ug/l	93
70) Styrene	12.038	104	163878	20.160	ug/l	96
71) Bromoform	12.203	173	34863	19.974	ug/l #	97
73) Isopropylbenzene	12.325	105	261612	20.679	ug/l	99
74) N-amyl acetate	12.142	43	57489	18.739	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	51255	19.882	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	35925m	16.405	ug/l	
77) Bromobenzene	12.605	156	61900	20.564	ug/l	93
78) n-propylbenzene	12.666	91	311647	20.681	ug/l	98
79) 2-Chlorotoluene	12.752	91	175717	20.465	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	222147	20.782	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	17239	19.618	ug/l	89
82) 4-Chlorotoluene	12.849	91	178896	20.177	ug/l	97
83) tert-Butylbenzene	13.069	119	195224	20.421	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	220612	20.774	ug/l	99
85) sec-Butylbenzene	13.251	105	285627	20.400	ug/l	99
86) p-Isopropyltoluene	13.367	119	237254	20.277	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	123579	20.227	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	121926	20.163	ug/l	98
89) n-Butylbenzene	13.690	91	216768	20.182	ug/l	99
90) Hexachloroethane	13.959	117	45638	20.315	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	109828	20.180	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8322	19.345	ug/l	79
93) 1,2,4-Trichlorobenzene	15.001	180	64635	19.468	ug/l	99
94) Hexachlorobutadiene	15.105	225	40403	20.022	ug/l	99
95) Naphthalene	15.233	128	128233	19.169	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	55664	19.255	ug/l	99

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

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