

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080221\
 Data File : VY005515.D
 Acq On : 02 Aug 2021 10:09
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/3/2021 4:50:33 PM

Quant Time: Aug 03 04:35:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	298969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	438333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	397189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	207559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	59380	19.621	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.240%#		
35) Dibromofluoromethane	7.728	113	47457	19.338	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.680%#		
50) Toluene-d8	10.185	98	197646	19.203	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	38.400%#		
62) 4-Bromofluorobenzene	12.483	95	66008	19.367	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	56870	23.160	ug/l	98
3) Chloromethane	2.119	50	58512	19.948	ug/l	94
4) Vinyl Chloride	2.259	62	70028	19.932	ug/l	99
5) Bromomethane	2.650	94	47468	20.526	ug/l	95
6) Chloroethane	2.802	64	43130	20.338	ug/l	99
7) Trichlorofluoromethane	3.137	101	96182	20.447	ug/l	98
8) Diethyl Ether	3.540	74	34344	20.904	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	52689	20.650	ug/l	100
10) Methyl Iodide	4.101	142	63083	19.845	ug/l	99
11) Tert butyl alcohol	4.978	59	29432	98.378	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	53148	20.628	ug/l	97
13) Acrolein	3.741	56	16631	92.137	ug/l	99
14) Allyl chloride	4.491	41	91739	20.329	ug/l	99
15) Acrylonitrile	5.180	53	86058	102.208	ug/l	98
16) Acetone	3.960	43	74573	97.736	ug/l	96
17) Carbon Disulfide	4.204	76	166110	20.914	ug/l	100
18) Methyl Acetate	4.485	43	39008	19.548	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	160972	20.167	ug/l	98
20) Methylene Chloride	4.729	84	71976	18.783	ug/l	97
21) trans-1,2-Dichloroethene	5.235	96	58504	20.310	ug/l	99
22) Diisopropyl ether	6.131	45	188659	20.265	ug/l	97
23) Vinyl Acetate	6.076	43	637978	102.972	ug/l	99
24) 1,1-Dichloroethane	6.027	63	104123	20.181	ug/l	98
25) 2-Butanone	7.002	43	113903	100.989	ug/l	100
26) 2,2-Dichloropropane	6.990	77	94474	20.042	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	65954	20.131	ug/l	99
28) Bromochloromethane	7.344	49	45043	21.874	ug/l	100
29) Tetrahydrofuran	7.356	42	76474	102.513	ug/l	100
30) Chloroform	7.515	83	105935	20.117	ug/l	100
31) Cyclohexane	7.795	56	103927	20.021	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	98451	20.338	ug/l	99
36) 1,1-Dichloropropene	7.929	75	83590	20.332	ug/l	98
37) Ethyl Acetate	7.088	43	50148	20.134	ug/l	99
38) Carbon Tetrachloride	7.911	117	90611	20.279	ug/l	98
39) Methylcyclohexane	9.191	83	104466	19.972	ug/l	99
40) Benzene	8.167	78	236128	20.057	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	26202m	17.792	ug/l	
42) 1,2-Dichloroethane	8.246	62	77125	20.196	ug/l	99
43) Isopropyl Acetate	8.283	43	95210	20.191	ug/l	99
44) Trichloroethene	8.947	130	64394	20.040	ug/l	98
45) 1,2-Dichloropropane	9.222	63	59274	20.124	ug/l	96
46) Dibromomethane	9.313	93	32637	20.040	ug/l	98
47) Bromodichloromethane	9.502	83	82175	20.161	ug/l	99
48) Methyl methacrylate	9.301	41	42808	20.088	ug/l	98
49) 1,4-Dioxane	9.307	88	9119	402.893	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	250051	100.694	ug/l	99
52) Toluene	10.246	92	148861	19.830	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	90176	19.797	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	99997	20.228	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	48005	20.372	ug/l	98
56) Ethyl methacrylate	10.514	69	70882	20.089	ug/l	99
57) 1,3-Dichloropropane	10.794	76	84030	20.222	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	160708	95.323	ug/l	100
59) 2-Hexanone	10.837	43	180038	102.576	ug/l	100
60) Dibromochloromethane	10.990	129	58950	20.215	ug/l	99
61) 1,2-Dibromoethane	11.093	107	45412	20.345	ug/l	99
64) Tetrachloroethene	10.721	164	61022	20.184	ug/l	99
65) Chlorobenzene	11.520	112	160812	20.120	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	59482	19.773	ug/l	99
67) Ethyl Benzene	11.593	91	287957	19.868	ug/l	97
68) m/p-Xylenes	11.703	106	225446	40.049	ug/l	99
69) o-Xylene	12.032	106	107192	19.812	ug/l	100
70) Styrene	12.050	104	181590	19.939	ug/l	99
71) Bromoform	12.209	173	39901	20.453	ug/l #	100
73) Isopropylbenzene	12.331	105	286806	19.796	ug/l	99
74) N-amyl acetate	12.148	43	88048	20.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	55338	19.858	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	42456m	23.646	ug/l	
77) Bromobenzene	12.611	156	69305	19.470	ug/l	98
78) n-propylbenzene	12.672	91	337894	19.636	ug/l	100
79) 2-Chlorotoluene	12.758	91	190007	19.664	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	239628	19.930	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	21533	20.181	ug/l	95
82) 4-Chlorotoluene	12.855	91	196853	19.690	ug/l	99
83) tert-Butylbenzene	13.081	119	213851	19.821	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	235930	19.886	ug/l	99
85) sec-Butylbenzene	13.257	105	306134	19.672	ug/l	99
86) p-Isopropyltoluene	13.373	119	263493	19.722	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	136621	19.670	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	138737	20.136	ug/l	99
89) n-Butylbenzene	13.696	91	242066	19.999	ug/l	99
90) Hexachloroethane	13.965	117	47174	19.639	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	122343	19.942	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10904	20.641	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	85418	20.269	ug/l	100
94) Hexachlorobutadiene	15.117	225	54212	19.867	ug/l	99
95) Naphthalene	15.239	128	169101	20.355	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	75088	20.112	ug/l	99

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

