

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030321\
 Data File : VY004054.D
 Acq On : 03 Mar 2021 12:23
 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
 3/4/2021 2:04:53 PM

Quant Time: Mar 03 12:58:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 03 12:55:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	174200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	258505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	236772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125050	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	32696	17.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	34.92%#		
35) Dibromofluoromethane	7.722	113	32692	21.06	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.12%#		
50) Toluene-d8	10.179	98	142700	22.66	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	45.32%#		
62) 4-Bromofluorobenzene	12.477	95	41829	19.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.60%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31946	19.90	ug/l	96
3) Chloromethane	2.113	50	33315	14.26	ug/l	97
4) Vinyl Chloride	2.253	62	38825	16.83	ug/l	99
5) Bromomethane	2.643	94	27748	17.76	ug/l	92
6) Chloroethane	2.796	64	25386	18.23	ug/l	100
7) Trichlorofluoromethane	3.125	101	58576	19.66	ug/l	99
8) Diethyl Ether	3.527	74	17926	19.03	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.905	101	32327	20.37	ug/l	98
10) Methyl Iodide	4.094	142	37503	19.01	ug/l	97
11) Tert butyl alcohol	4.966	59	15591	56.35	ug/l	99
12) 1,1-Dichloroethene	3.875	96	31388	19.82	ug/l	93
13) Acrolein	3.735	56	13838	74.90	ug/l	94
14) Allyl chloride	4.484	41	43372	15.00	ug/l #	93
15) Acrylonitrile	5.167	53	43393	88.31	ug/l	98
16) Acetone	3.948	43	35374	75.51	ug/l	91
17) Carbon Disulfide	4.198	76	95322	18.63	ug/l	98
18) Methyl Acetate	4.478	43	18342	16.52	ug/l	91
19) Methyl tert-butyl Ether	5.228	73	85293	18.42	ug/l	94
20) Methylene Chloride	4.722	84	39077	19.82	ug/l	87
21) trans-1,2-Dichloroethene	5.228	96	36433	20.33	ug/l	89
22) Diisopropyl ether	6.124	45	108827	18.81	ug/l #	96
23) Vinyl Acetate	6.063	43	349661	89.65	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	64383	20.58	ug/l	97
25) 2-Butanone	6.990	43	54578	79.75	ug/l #	90
26) 2,2-Dichloropropane	6.984	77	52066	17.63	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	40061	19.76	ug/l	87
28) Bromochloromethane	7.338	49	25931	18.66	ug/l #	77
29) Tetrahydrofuran	7.356	42	35869	82.40	ug/l	89
30) Chloroform	7.508	83	61376	19.15	ug/l	99
31) Cyclohexane	7.789	56	54178	17.15	ug/l #	82
32) 1,1,1-Trichloroethane	7.703	97	56222	19.07	ug/l	97
36) 1,1-Dichloropropene	7.917	75	46818	18.44	ug/l	96
37) Ethyl Acetate	7.082	43	25011	16.75	ug/l	97
38) Carbon Tetrachloride	7.899	117	52538	19.86	ug/l	96
39) Methylcyclohexane	9.185	83	68874	22.29	ug/l #	86
40) Benzene	8.161	78	137684	19.38	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	15193m	19.71	ug/l	
42) 1,2-Dichloroethane	8.240	62	39481	17.23	ug/l	95
43) Isopropyl Acetate	8.270	43	46108	16.66	ug/l #	94
44) Trichloroethene	8.941	130	42717	21.45	ug/l	88
45) 1,2-Dichloropropane	9.215	63	37366	21.55	ug/l	98
46) Dibromomethane	9.307	93	21578	22.01	ug/l	95
47) Bromodichloromethane	9.496	83	52363	21.05	ug/l	99
48) Methyl methacrylate	9.289	41	22609	16.67	ug/l #	85
49) 1,4-Dioxane	9.301	88	5994	504.46	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	133717	93.11	ug/l	91
52) Toluene	10.240	92	101148	22.17	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	49362	18.19	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	64380	21.56	ug/l #	90
55) 1,1,2-Trichloroethane	10.642	97	28728	20.15	ug/l	97
56) Ethyl methacrylate	10.508	69	36779	18.49	ug/l	90
57) 1,3-Dichloropropane	10.788	76	48196	19.34	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	102077	114.21	ug/l	92
59) 2-Hexanone	10.831	43	84658	82.88	ug/l	93
60) Dibromochloromethane	10.983	129	36664	20.36	ug/l	100
61) 1,2-Dibromoethane	11.087	107	28244	20.30	ug/l	98
64) Tetrachloroethene	10.715	164	46808	21.23	ug/l	99
65) Chlorobenzene	11.514	112	100368	21.17	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	37362	20.70	ug/l	98
67) Ethyl Benzene	11.593	91	173272	19.71	ug/l	95
68) m/p-Xylenes	11.703	106	134685	41.16	ug/l	92
69) o-Xylene	12.026	106	61263	19.95	ug/l	95
70) Styrene	12.044	104	107385	20.39	ug/l	94
71) Bromoform	12.209	173	23840	20.65	ug/l #	97
73) Isopropylbenzene	12.325	105	169379	19.14	ug/l	97
74) N-amyl acetate	12.142	43	43368	16.77	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	30926	19.26	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	24285m	19.54	ug/l	
77) Bromobenzene	12.605	156	43822	20.08	ug/l	93
78) n-propylbenzene	12.666	91	196693	18.66	ug/l	97
79) 2-Chlorotoluene	12.751	91	109992	18.47	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	140363	18.70	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.373	75	12010	18.15	ug/l #	76
82) 4-Chlorotoluene	12.855	91	115497	18.46	ug/l	93
83) tert-Butylbenzene	13.074	119	125134	19.36	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	144995	19.25	ug/l	95
85) sec-Butylbenzene	13.251	105	171768	19.41	ug/l	98
86) p-Isopropyltoluene	13.367	119	162503	19.68	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	83406	20.03	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	83153	20.15	ug/l	99
89) n-Butylbenzene	13.696	91	148164	19.44	ug/l	98
90) Hexachloroethane	13.958	117	28937	19.53	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	74769	20.27	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5901	19.65	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	58745	22.33	ug/l	100
94) Hexachlorobutadiene	15.111	225	35212	21.34	ug/l	99
95) Naphthalene	15.233	128	112468	23.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	50505	22.50	ug/l	99

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

