

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010721\
 Data File : VY003877.D
 Acq On : 07 Jan 2021 13:40
 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
 1/8/2021 2:30:46 PM

Quant Time: Jan 08 04:00:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010721S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 08 03:54:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	235089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	324395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	306888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	178984	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	60722	20.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.38%#		
35) Dibromofluoromethane	7.722	113	51472	20.15	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.30%#		
50) Toluene-d8	10.179	98	202179	20.04	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.08%#		
62) 4-Bromofluorobenzene	12.477	95	72049	20.26	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	40.52%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	51840	20.90	ug/l	95
3) Chloromethane	2.119	50	61862	19.44	ug/l	95
4) Vinyl Chloride	2.253	62	66855	19.79	ug/l	96
5) Bromomethane	2.644	94	55879	20.35	ug/l	99
6) Chloroethane	2.790	64	43561	21.25	ug/l	96
7) Trichlorofluoromethane	3.125	101	97110	21.21	ug/l	97
8) Diethyl Ether	3.534	74	29595	20.51	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	52037	20.94	ug/l	98
10) Methyl Iodide	4.101	142	54293	21.93	ug/l	99
11) Tert butyl alcohol	4.966	59	26661	104.51	ug/l	100
12) 1,1-Dichloroethene	3.875	96	49968	20.99	ug/l	99
13) Acrolein	3.735	56	30064	101.41	ug/l	97
14) Allyl chloride	4.485	41	89889	21.18	ug/l	98
15) Acrylonitrile	5.180	53	78965	105.35	ug/l	99
16) Acetone	3.954	43	63806	102.20	ug/l	100
17) Carbon Disulfide	4.198	76	159786	21.27	ug/l	97
18) Methyl Acetate	4.479	43	35952	20.40	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	142354	20.65	ug/l	99
20) Methylene Chloride	4.722	84	63362	20.03	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	57224	20.99	ug/l	96
22) Diisopropyl ether	6.125	45	180751	20.94	ug/l	95
23) Vinyl Acetate	6.070	43	602363	105.61	ug/l	98
24) 1,1-Dichloroethane	6.027	63	97128	20.54	ug/l	97
25) 2-Butanone	6.990	43	99996	103.61	ug/l	98
26) 2,2-Dichloropropane	6.990	77	91277	20.63	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	61474	20.64	ug/l	98
28) Bromochloromethane	7.338	49	41494	19.76	ug/l #	11
29) Tetrahydrofuran	7.350	42	69257	104.07	ug/l	97
30) Chloroform	7.515	83	103208	20.66	ug/l	98
31) Cyclohexane	7.789	56	95825	20.72	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	95376	20.71	ug/l	99
36) 1,1-Dichloropropene	7.923	75	78658	20.77	ug/l	98
37) Ethyl Acetate	7.082	43	49228	22.30	ug/l	98
38) Carbon Tetrachloride	7.905	117	89372	20.88	ug/l	100
39) Methylcyclohexane	9.185	83	96041	20.79	ug/l	97
40) Benzene	8.161	78	224579	21.05	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	24199m	12.52	ug/l	
42) 1,2-Dichloroethane	8.240	62	74444	21.25	ug/l	99
43) Isopropyl Acetate	8.277	43	88760	21.24	ug/l	100
44) Trichloroethene	8.941	130	66548	20.96	ug/l	96
45) 1,2-Dichloropropane	9.216	63	57170	21.00	ug/l	97
46) Dibromomethane	9.307	93	32441	21.11	ug/l	100
47) Bromodichloromethane	9.496	83	80356	20.80	ug/l	99
48) Methyl methacrylate	9.295	41	42983	21.51	ug/l	94
49) 1,4-Dioxane	9.301	88	8701	426.85	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	235476	106.72	ug/l	99
52) Toluene	10.246	92	143847	20.91	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	85804	20.92	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	96234	21.17	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	45979	20.87	ug/l	98
56) Ethyl methacrylate	10.508	69	61813	20.85	ug/l	96
57) 1,3-Dichloropropane	10.788	76	79884	21.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	157619	106.91	ug/l	99
59) 2-Hexanone	10.831	43	162551	106.42	ug/l	100
60) Dibromochloromethane	10.983	129	59549	20.74	ug/l	100
61) 1,2-Dibromoethane	11.087	107	46091	21.32	ug/l	100
64) Tetrachloroethene	10.721	164	74375	20.64	ug/l	91
65) Chlorobenzene	11.514	112	157176	20.59	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	61629	20.47	ug/l	99
67) Ethyl Benzene	11.593	91	280686	20.81	ug/l	97
68) m/p-Xylenes	11.703	106	218978	42.26	ug/l	99
69) o-Xylene	12.026	106	100389	20.99	ug/l	97
70) Styrene	12.044	104	173053	20.97	ug/l	98
71) Bromoform	12.209	173	41276	20.63	ug/l #	99
73) Isopropylbenzene	12.331	105	276732	20.32	ug/l	100
74) N-amyl acetate	12.142	43	80774	20.60	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	50630	20.10	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	42937m	18.90	ug/l	
77) Bromobenzene	12.605	156	74422	20.69	ug/l	99
78) n-propylbenzene	12.666	91	334154	20.72	ug/l	99
79) 2-Chlorotoluene	12.758	91	189552	20.66	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	243323	20.84	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	21038	20.40	ug/l	97
82) 4-Chlorotoluene	12.849	91	203132	20.67	ug/l	99
83) tert-Butylbenzene	13.075	119	206222	20.45	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	246289	20.85	ug/l	100
85) sec-Butylbenzene	13.251	105	287666	20.73	ug/l	100
86) p-Isopropyltoluene	13.367	119	273626	20.86	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	141314	20.48	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	140247	20.61	ug/l	98
89) n-Butylbenzene	13.696	91	249726	20.87	ug/l	99
90) Hexachloroethane	13.959	117	49644	20.37	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	128016	20.96	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10635	21.11	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	93387	21.02	ug/l	100
94) Hexachlorobutadiene	15.111	225	64313	21.20	ug/l	99
95) Naphthalene	15.233	128	161632	20.85	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	80940	21.23	ug/l	99

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

