

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032921\
 Data File : VY004219.D
 Acq On : 29 Mar 2021 18:40
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda

3/30/2021 7:22:57 PM

Quant Time: Mar 30 06:16:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:12:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	197644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	308755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	272899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132075	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	276580	143.71	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.42%#			
35) Dibromofluoromethane	7.728	113	246141	142.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 285.56%#			
50) Toluene-d8	10.185	98	908627	135.23	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 270.46%#			
62) 4-Bromofluorobenzene	12.483	95	319683	130.44	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 260.88%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	248428	150.10	ug/l	98
3) Chloromethane	2.119	50	339123	153.90	ug/l	99
4) Vinyl Chloride	2.253	62	370374	151.37	ug/l	98
5) Bromomethane	2.644	94	216975	142.25	ug/l	100
6) Chloroethane	2.796	64	257540	172.01	ug/l	100
7) Trichlorofluoromethane	3.131	101	473519	146.66	ug/l	99
8) Diethyl Ether	3.540	74	162238	157.89	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	271940	151.72	ug/l	99
10) Methyl Iodide	4.101	142	330166	177.31	ug/l	99
11) Tert butyl alcohol	4.985	59	117939	683.70	ug/l	99
12) 1,1-Dichloroethene	3.881	96	261730	148.57	ug/l	98
13) Acrolein	3.741	56	88125	545.83	ug/l	99
14) Allyl chloride	4.491	41	433877	150.50	ug/l	100
15) Acrylonitrile	5.180	53	403566	795.93	ug/l	99
16) Acetone	3.960	43	299723	665.30	ug/l	100
17) Carbon Disulfide	4.204	76	724262	141.18	ug/l	99
18) Methyl Acetate	4.491	43	196059	166.20	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	813394	162.70	ug/l	100
20) Methylene Chloride	4.729	84	282679	123.95	ug/l	100
21) trans-1,2-Dichloroethene	5.228	96	299580	151.38	ug/l	93
22) Diisopropyl ether	6.131	45	978423	160.42	ug/l	98
23) Vinyl Acetate	6.076	43	3401971	843.53	ug/l	99
24) 1,1-Dichloroethane	6.033	63	520499	153.59	ug/l	99
25) 2-Butanone	7.003	43	522706	775.16	ug/l	98
26) 2,2-Dichloropropane	6.990	77	474127	147.16	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	338004	150.68	ug/l	98
28) Bromochloromethane	7.344	49	193532	133.77	ug/l	99
29) Tetrahydrofuran	7.356	42	369869	832.51	ug/l	99
30) Chloroform	7.515	83	538385	152.97	ug/l	99
31) Cyclohexane	7.789	56	475270	138.51	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	498934	153.07	ug/l	100
36) 1,1-Dichloropropene	7.923	75	417158	151.92	ug/l	100
37) Ethyl Acetate	7.088	43	264171	177.95	ug/l	99
38) Carbon Tetrachloride	7.911	117	407463	143.60	ug/l	98
39) Methylcyclohexane	9.185	83	528709	149.75	ug/l	99
40) Benzene	8.167	78	1195803	154.62	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	131373m	145.15	ug/l	
42) 1,2-Dichloroethane	8.246	62	378572	159.71	ug/l	100
43) Isopropyl Acetate	8.283	43	494671	166.89	ug/l	100
44) Trichloroethene	8.947	130	356566	156.89	ug/l	96
45) 1,2-Dichloropropane	9.222	63	296903	154.32	ug/l	95
46) Dibromomethane	9.313	93	177084	160.13	ug/l	98
47) Bromodichloromethane	9.502	83	423065	154.33	ug/l	98
48) Methyl methacrylate	9.301	41	231041	164.83	ug/l	99
49) 1,4-Dioxane	9.307	88	52009	3775.20	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	1281757	855.92	ug/l	100
52) Toluene	10.246	92	781733	156.06	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	454455	157.18	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	502262	154.89	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	240470	155.97	ug/l	98
56) Ethyl methacrylate	10.514	69	352001	163.75	ug/l	99
57) 1,3-Dichloropropane	10.794	76	414498	156.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	638041	670.07	ug/l	99
59) 2-Hexanone	10.837	43	876535	837.44	ug/l	99
60) Dibromochloromethane	10.990	129	300412	156.06	ug/l	99
61) 1,2-Dibromoethane	11.093	107	238344	157.97	ug/l	100
64) Tetrachloroethene	10.721	164	363840	154.55	ug/l	99
65) Chlorobenzene	11.520	112	808314	153.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	300250	153.41	ug/l	99
67) Ethyl Benzene	11.593	91	1502672	155.03	ug/l	100
68) m/p-Xylenes	11.703	106	1153740	312.02	ug/l	100
69) o-Xylene	12.032	106	537781	154.41	ug/l	99
70) Styrene	12.044	104	928190	156.23	ug/l	100
71) Bromoform	12.209	173	181410	156.33	ug/l #	99
73) Isopropylbenzene	12.331	105	1443819	155.28	ug/l	99
74) N-amyl acetate	12.148	43	455133	171.18	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	273216	168.37	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	189769m	150.50	ug/l	
77) Bromobenzene	12.611	156	331762	154.25	ug/l	97
78) n-propylbenzene	12.672	91	1665680	152.45	ug/l	99
79) 2-Chlorotoluene	12.758	91	920575	150.51	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1182148	150.76	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	105380	164.41	ug/l	96
82) 4-Chlorotoluene	12.855	91	970612	150.24	ug/l	99
83) tert-Butylbenzene	13.075	119	1028013	152.80	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	1188192	151.54	ug/l	100
85) sec-Butylbenzene	13.257	105	1391594	149.83	ug/l	99
86) p-Isopropyltoluene	13.373	119	1319039	152.94	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	629327	152.59	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	616137	149.54	ug/l	100
89) n-Butylbenzene	13.696	91	1203416	147.30	ug/l	99
90) Hexachloroethane	13.965	117	131733	94.52	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	560388	153.00	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	50211	165.45	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	403547	161.16	ug/l	99
94) Hexachlorobutadiene	15.111	225	214157	153.75	ug/l	100
95) Naphthalene	15.239	128	899685	179.56	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	366399	172.61	ug/l	99

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

