

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032921\
 Data File : VY004216.D
 Acq On : 29 Mar 2021 17:32
 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
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 3/30/2021 7:22:50 PM

Quant Time: Mar 30 06:14:55 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	192606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	301215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	264874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126413	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	36983	19.72	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.44%#		
35) Dibromofluoromethane	7.728	113	33988	20.21	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.42%#		
50) Toluene-d8	10.185	98	130824	19.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	39.92%#		
62) 4-Bromofluorobenzene	12.483	95	43741	18.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	36.60%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31886	19.77	ug/l	97
3) Chloromethane	2.119	50	41341	19.25	ug/l	100
4) Vinyl Chloride	2.253	62	49824	20.89	ug/l	94
5) Bromomethane	2.650	94	25625	17.24	ug/l	99
6) Chloroethane	2.796	64	30739	21.07	ug/l	94
7) Trichlorofluoromethane	3.131	101	63412	20.15	ug/l	99
8) Diethyl Ether	3.540	74	18430	18.40	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	34377	19.68	ug/l	99
10) Methyl Iodide	4.101	142	37316	20.56	ug/l	100
11) Tert butyl alcohol	4.979	59	12673	75.39	ug/l	98
12) 1,1-Dichloroethene	3.881	96	32925	19.18	ug/l	98
13) Acrolein	3.741	56	15691	99.73	ug/l	98
14) Allyl chloride	4.497	41	52392	18.65	ug/l	99
15) Acrylonitrile	5.180	53	43330	87.69	ug/l	97
16) Acetone	3.960	43	34186	77.87	ug/l	96
17) Carbon Disulfide	4.204	76	81737	16.35	ug/l	96
18) Methyl Acetate	4.491	43	20742	18.04	ug/l	95
19) Methyl tert-butyl Ether	5.235	73	93387	19.17	ug/l	97
20) Methylene Chloride	4.735	84	39616	17.83	ug/l	95
21) trans-1,2-Dichloroethene	5.229	96	36593	18.97	ug/l	98
22) Diisopropyl ether	6.131	45	116295	19.57	ug/l	99
23) Vinyl Acetate	6.076	43	368562	93.78	ug/l	100
24) 1,1-Dichloroethane	6.033	63	63174	19.13	ug/l	100
25) 2-Butanone	7.003	43	55325	84.19	ug/l	97
26) 2,2-Dichloropropane	6.990	77	59000	18.79	ug/l	99
27) cis-1,2-Dichloroethene	6.997	96	42759	19.56	ug/l	98
28) Bromochloromethane	7.344	49	28836	20.45	ug/l	96
29) Tetrahydrofuran	7.362	42	38724	89.44	ug/l	99
30) Chloroform	7.515	83	68304	19.91	ug/l	99
31) Cyclohexane	7.795	56	59766	17.87	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	61342	19.31	ug/l	100
36) 1,1-Dichloropropene	7.923	75	50896	19.00	ug/l	98
37) Ethyl Acetate	7.088	43	27637	19.08	ug/l	99
38) Carbon Tetrachloride	7.905	117	44602	16.11	ug/l	99
39) Methylcyclohexane	9.185	83	62293	18.09	ug/l	97
40) Benzene	8.167	78	144560	19.16	ug/l	99

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41) Methacrylonitrile	7.338	41	16910m	19.15	ug/l	
42) 1,2-Dichloroethane	8.246	62	45760	19.79	ug/l	99
43) Isopropyl Acetate	8.283	43	53000	18.33	ug/l	98
44) Trichloroethene	8.947	130	46963	21.18	ug/l	99
45) 1,2-Dichloropropane	9.222	63	35914	19.13	ug/l	96
46) Dibromomethane	9.313	93	20327	18.84	ug/l	96
47) Bromodichloromethane	9.502	83	50291	18.80	ug/l	97
48) Methyl methacrylate	9.295	41	23232	16.99	ug/l	94
49) 1,4-Dioxane	9.301	88	5917	440.25	ug/l #	89
51) 4-Methyl-2-Pentanone	10.075	43	132871	90.95	ug/l	100
52) Toluene	10.246	92	92739	18.98	ug/l	100
53) t-1,3-Dichloropropene	10.472	75	52848	18.74	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	59911	18.94	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	28945	19.24	ug/l	98
56) Ethyl methacrylate	10.514	69	37432	17.85	ug/l	99
57) 1,3-Dichloropropane	10.795	76	49857	19.31	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	94774	102.02	ug/l	99
59) 2-Hexanone	10.837	43	89540	87.69	ug/l	98
60) Dibromochloromethane	10.990	129	34607	18.43	ug/l	100
61) 1,2-Dibromoethane	11.093	107	28010	19.03	ug/l	98
64) Tetrachloroethene	10.721	164	51554	22.56	ug/l	98
65) Chlorobenzene	11.520	112	99841	19.52	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	35859	18.88	ug/l	99
67) Ethyl Benzene	11.593	91	181132	19.25	ug/l	98
68) m/p-Xylenes	11.703	106	138946	38.71	ug/l	100
69) o-Xylene	12.032	106	66031	19.53	ug/l	98
70) Styrene	12.044	104	108199	18.76	ug/l	99
71) Bromoform	12.209	173	19193	17.04	ug/l #	100
73) Isopropylbenzene	12.331	105	177421	19.94	ug/l	100
74) N-amyl acetate	12.142	43	47064	18.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	30411	19.58	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	19976m	16.55	ug/l	
77) Bromobenzene	12.611	156	41689	20.25	ug/l	98
78) n-propylbenzene	12.672	91	206621	19.76	ug/l	100
79) 2-Chlorotoluene	12.758	91	112791	19.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	146259	19.49	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	11096	18.09	ug/l	97
82) 4-Chlorotoluene	12.855	91	117203	18.95	ug/l	99
83) tert-Butylbenzene	13.075	119	126703	19.68	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	143422	19.11	ug/l	99
85) sec-Butylbenzene	13.252	105	175011	19.69	ug/l	100
86) p-Isopropyltoluene	13.367	119	161305	19.54	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	76271	19.32	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	77669	19.70	ug/l	99
89) n-Butylbenzene	13.697	91	147427	18.85	ug/l	99
90) Hexachloroethane	13.959	117	9571	7.17	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	68896	19.65	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5614	19.33	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	47851	19.97	ug/l	99
94) Hexachlorobutadiene	15.111	225	26039	19.53	ug/l	99
95) Naphthalene	15.239	128	97907	20.42	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	43853	21.58	ug/l	97

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

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