

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003382.D
 Acq On : 31 Jul 2020 11:44
 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
 8/3/2020 12:37:26 PM

Quant Time: Jul 31 12:35:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 12:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	500581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	738537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	679539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	368881	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	90526	20.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.12%	
35) Dibromofluoromethane	7.72	113	82522	18.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.96%	
50) Toluene-d8	10.18	98	312740	19.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.20%	
62) 4-Bromofluorobenzene	12.48	95	109431	18.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	84600	22.619	ug/l	100
3) Chloromethane	2.12	50	109616	21.397	ug/l	98
4) Vinyl Chloride	2.25	62	109677	20.859	ug/l	100
5) Bromomethane	2.63	94	82745	21.235	ug/l	97
6) Chloroethane	2.79	64	69175	20.181	ug/l	99
7) Trichlorofluoromethane	3.13	101	149476	20.066	ug/l	98
8) Diethyl Ether	3.53	74	52417	20.887	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	88908	19.807	ug/l	99
10) Methyl Iodide	4.10	142	100283	20.333	ug/l	98
11) Tert butyl alcohol	4.97	59	51771	111.637	ug/l	99
12) 1,1-Dichloroethene	3.88	96	86229	20.183	ug/l	92
13) Acrolein	3.73	56	54148	129.786	ug/l	97
14) Allyl chloride	4.49	41	142425m	22.096	ug/l	
15) Acrylonitrile	5.18	53	132443	109.812	ug/l	100
16) Acetone	3.95	43	112804	113.804	ug/l	97
17) Carbon Disulfide	4.20	76	284492	21.521	ug/l	100
18) Methyl Acetate	4.48	43	63113	23.343	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	239536	20.174	ug/l	99
20) Methylene Chloride	4.72	84	152627	26.091	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	97907	20.400	ug/l	97
22) Diisopropyl ether	6.13	45	305881	21.626	ug/l	99
23) Vinyl Acetate	6.07	43	1014244	107.821	ug/l	98
24) 1,1-Dichloroethane	6.02	63	170990	20.963	ug/l	98
25) 2-Butanone	7.00	43	177814	110.938	ug/l	100
26) 2,2-Dichloropropane	6.99	77	152394	20.760	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	109187	20.636	ug/l	97
28) Bromochloromethane	7.34	49	72275	21.084	ug/l	100
29) Tetrahydrofuran	7.35	42	120919	113.072	ug/l	100
30) Chloroform	7.51	83	170179	20.346	ug/l	99
31) Cyclohexane	7.79	56	161690	20.523	ug/l	# 95
32) 1,1,1-Trichloroethane	7.71	97	152710	20.221	ug/l	99
36) 1,1-Dichloropropene	7.93	75	134460	19.709	ug/l	99
37) Ethyl Acetate	7.08	43	77834	21.119	ug/l	99
38) Carbon Tetrachloride	7.91	117	140769	20.038	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	166146	19.461	ug/l	96
40) Benzene	8.16	78	376447	20.029	ug/l	99
41) Methacrylonitrile	7.32	41	41551m	18.623	ug/l	
42) 1,2-Dichloroethane	8.24	62	116239	20.154	ug/l	100
43) Isopropyl Acetate	8.28	43	146884	20.661	ug/l	100
44) Trichloroethene	8.94	130	109285	19.151	ug/l	94
45) 1,2-Dichloropropane	9.22	63	100802	20.684	ug/l	97
46) Dibromomethane	9.31	93	56348	20.043	ug/l	99
47) Bromodichloromethane	9.50	83	136000	20.191	ug/l	99
48) Methyl methacrylate	9.30	41	66457	20.876	ug/l	99
49) 1,4-Dioxane	9.30	88	14271	398.959	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	397949	107.628	ug/l	98
52) Toluene	10.24	92	235496	19.642	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	143979	20.612	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	160777	19.965	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	76673	19.136	ug/l	96
56) Ethyl methacrylate	10.51	69	108091	19.917	ug/l	100
57) 1,3-Dichloropropane	10.79	76	138352	20.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	274059	101.554	ug/l	99
59) 2-Hexanone	10.83	43	275246	106.584	ug/l	99
60) Dibromochloromethane	10.99	129	97866	19.468	ug/l	99
61) 1,2-Dibromoethane	11.09	107	77303	19.684	ug/l	97
64) Tetrachloroethene	10.72	164	110321	18.169	ug/l	98
65) Chlorobenzene	11.52	112	260017	19.555	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	100196	19.387	ug/l	99
67) Ethyl Benzene	11.59	91	462860	19.443	ug/l	99
68) m/p-Xylenes	11.70	106	353218	39.149	ug/l	99
69) o-Xylene	12.03	106	162054	19.201	ug/l	97
70) Styrene	12.04	104	280644	19.443	ug/l	99
71) Bromoform	12.20	173	66649	19.781	ug/l #	97
73) Isopropylbenzene	12.33	105	448131	18.756	ug/l	99
74) N-amyl acetate	12.14	43	136145	20.254	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	94362	20.447	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	65854m	19.978	ug/l	
77) Bromobenzene	12.61	156	115891	19.054	ug/l	99
78) n-propylbenzene	12.67	91	546026	19.330	ug/l	100
79) 2-Chlorotoluene	12.75	91	301800	19.195	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	382635	19.192	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	34155	20.081	ug/l	99
82) 4-Chlorotoluene	12.85	91	320072	19.506	ug/l	98
83) tert-Butylbenzene	13.07	119	336621	19.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	388439	19.352	ug/l	98
85) sec-Butylbenzene	13.25	105	463407	19.155	ug/l	99
86) p-Isopropyltoluene	13.37	119	429176	19.000	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	220055	19.091	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	220376	19.303	ug/l	99
89) n-Butylbenzene	13.69	91	414276	19.495	ug/l	99
90) Hexachloroethane	13.96	117	81970	19.801	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	196053	19.363	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14841	19.873	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	142940	19.823	ug/l	99
94) Hexachlorobutadiene	15.11	225	93446	18.992	ug/l	99
95) Naphthalene	15.23	128	240628	20.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	113519	19.763	ug/l	97

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

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