

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001164.D
 Acq On : 10 Jan 2020 21:46
 Operator : SY/MD
 Sample : L1046-12MS
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CIY1-SB-04-0-2MS

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 6:07:05 PM

Quant Time: Jan 11 03:34:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	18511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	31701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	27427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	11141	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	10486	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	7.73	113	9505	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.18	98	39354	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
62) 4-Bromofluorobenzene	12.48	95	13486	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	8278	58.229	ug/l	90
3) Chloromethane	2.12	50	12092	59.009	ug/l	100
4) Vinyl Chloride	2.26	62	11875	57.523	ug/l	92
5) Bromomethane	2.66	94	5501	49.608	ug/l	85
6) Chloroethane	2.80	64	7679	64.385	ug/l	98
7) Trichlorofluoromethane	3.13	101	15880	55.263	ug/l	86
8) Diethyl Ether	3.54	74	6444	57.712	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	10260	55.470	ug/l	98
10) Methyl Iodide	4.10	142	15164	59.895	ug/l	99
11) Tert butyl alcohol	4.96	59	5757	292.667	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	10690	56.490	ug/l	91
13) Acrolein	3.74	56	1605	90.634	ug/l	93
14) Allyl chloride	4.49	41	17122	53.609	ug/l	99
15) Acrylonitrile	5.18	53	15964	285.874	ug/l	98
16) Acetone	3.96	43	14038	309.171	ug/l	100
17) Carbon Disulfide	4.20	76	33299	54.368	ug/l	100
18) Methyl Acetate	4.49	43	15023	100.073	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	29415	56.195	ug/l	99
20) Methylene Chloride	4.72	84	11700	55.951	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	11816	55.067	ug/l	90
22) Diisopropyl ether	6.13	45	34310	52.596	ug/l	91
23) Vinyl Acetate	6.07	43	32067	76.863	ug/l	99
24) 1,1-Dichloroethane	6.04	63	19290	54.014	ug/l	95
25) 2-Butanone	7.00	43	21242	300.595	ug/l	94
26) 2,2-Dichloropropane	6.99	77	16570	50.456	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	13125	55.823	ug/l	97
28) Bromochloromethane	7.35	49	8847	60.327	ug/l	98
29) Tetrahydrofuran	7.36	42	14231	293.859	ug/l	98
30) Chloroform	7.52	83	18954	54.166	ug/l	99
31) Cyclohexane	7.79	56	20321	53.741	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	17102	55.082	ug/l	98
36) 1,1-Dichloropropene	7.93	75	15770	54.580	ug/l	98
37) Ethyl Acetate	7.09	43	7852	46.306	ug/l #	79
38) Carbon Tetrachloride	7.91	117	14707	55.541	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	20984	53.569	ug/l	98
40) Benzene	8.17	78	45892	54.412	ug/l	100
41) Methacrylonitrile	7.32	41	4405m	55.302	ug/l	
42) 1,2-Dichloroethane	8.25	62	12254	51.887	ug/l	97
43) Isopropyl Acetate	8.28	43	16360	50.455	ug/l	99
44) Trichloroethene	8.94	130	12185	55.444	ug/l	94
45) 1,2-Dichloropropane	9.22	63	11282	54.108	ug/l	97
46) Dibromomethane	9.31	93	6400	56.255	ug/l	97
47) Bromodichloromethane	9.50	83	14844	53.538	ug/l	98
48) Methyl methacrylate	9.30	41	9081	60.520	ug/l	98
49) 1,4-Dioxane	9.30	88	2276	1642.754	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	45967	279.388	ug/l	100
52) Toluene	10.24	92	28355	52.711	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	15758	50.790	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	18162	51.921	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	9544	56.587	ug/l	97
56) Ethyl methacrylate	10.51	69	12406	48.086	ug/l	99
57) 1,3-Dichloropropane	10.79	76	16004	55.273	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	20937	230.739	ug/l	100
59) 2-Hexanone	10.83	43	32903	285.353	ug/l	100
60) Dibromochloromethane	10.99	129	10443	53.778	ug/l	98
61) 1,2-Dibromoethane	11.09	107	8728	52.998	ug/l	100
64) Tetrachloroethene	10.72	164	10127	57.279	ug/l	97
65) Chlorobenzene	11.52	112	29083	53.068	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	10742	56.871	ug/l	97
67) Ethyl Benzene	11.59	91	53226	53.092	ug/l	97
68) m/p-Xylenes	11.70	106	40495	107.077	ug/l	97
69) o-Xylene	12.03	106	19265	53.131	ug/l	94
70) Styrene	12.04	104	31442	49.421	ug/l	99
71) Bromoform	12.20	173	6161	52.891	ug/l #	99
73) Isopropylbenzene	12.33	105	51266	61.209	ug/l	99
74) N-amyl acetate	12.14	43	10125	38.736	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	11869	67.355	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	7289m	61.116	ug/l	
77) Bromobenzene	12.61	156	11259	60.837	ug/l	92
78) n-propylbenzene	12.67	91	59020	58.584	ug/l	99
79) 2-Chlorotoluene	12.75	91	32268	55.771	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	40656	58.177	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	3958	56.277	ug/l #	97
82) 4-Chlorotoluene	12.85	91	33204	53.757	ug/l	97
83) tert-Butylbenzene	13.07	119	34669	59.041	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	40180	57.897	ug/l	99
85) sec-Butylbenzene	13.25	105	50596	59.894	ug/l	100
86) p-Isopropyltoluene	13.36	119	43491	59.296	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	19497	55.706	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	18959	52.632	ug/l	98
89) n-Butylbenzene	13.69	91	39397	53.332	ug/l	99
90) Hexachloroethane	13.95	117	7702	53.742	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	18396	56.554	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1923	60.497	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	8813	41.121	ug/l	98
94) Hexachlorobutadiene	15.11	225	5167	47.856	ug/l	97
95) Naphthalene	15.23	128	21259	42.608	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	7490	39.654	ug/l	98

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

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