

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
 Data File : VY001321.D
 Acq On : 21 Jan 2020 15:03
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:22 AM

Quant Time: Jan 21 16:33:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	184996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	321967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	283231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	133066	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	19910	10.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.28%	
35) Dibromofluoromethane	7.75	113	20226	10.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.44%	
50) Toluene-d8	10.20	98	70748	9.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	19.48%	
62) 4-Bromofluorobenzene	12.50	95	31424	10.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	21.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	16316	11.383	ug/l	89
3) Chloromethane	2.13	50	23703	11.386	ug/l	97
4) Vinyl Chloride	2.27	62	24761	11.784	ug/l	95
5) Bromomethane	2.66	94	17111	14.705	ug/l	100
6) Chloroethane	2.82	64	15228	12.310	ug/l	93
7) Trichlorofluoromethane	3.15	101	31176	10.754	ug/l	92
8) Diethyl Ether	3.55	74	13347	11.765	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	19329	10.390	ug/l	97
10) Methyl Iodide	4.13	142	24081	9.451	ug/l	97
11) Tert butyl alcohol	5.00	59	20290	97.635	ug/l #	92
12) 1,1-Dichloroethene	3.91	96	20138	10.562	ug/l	97
13) Acrolein	3.77	56	10092	58.807	ug/l	99
14) Allyl chloride	4.52	41	35200	10.840	ug/l	98
15) Acrylonitrile	5.21	53	32721	57.118	ug/l	99
16) Acetone	3.99	43	32993	69.509	ug/l	99
17) Carbon Disulfide	4.23	76	65366	10.676	ug/l	98
18) Methyl Acetate	4.52	43	17259	11.262	ug/l	97
19) Methyl tert-butyl Ether	5.27	73	59048	11.104	ug/l	99
20) Methylene Chloride	4.76	84	38175	14.772	ug/l	97
21) trans-1,2-Dichloroethene	5.27	96	23332	10.776	ug/l	96
22) Diisopropyl ether	6.16	45	74426	11.177	ug/l	95
23) Vinyl Acetate	6.11	43	244213	57.138	ug/l	100
24) 1,1-Dichloroethane	6.07	63	39067	10.763	ug/l	97
25) 2-Butanone	7.03	43	45772	62.355	ug/l	99
26) 2,2-Dichloropropane	7.02	77	36634	11.045	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	25786	10.834	ug/l	96
28) Bromochloromethane	7.38	49	14667	9.913	ug/l	99
29) Tetrahydrofuran	7.38	42	29407	59.030	ug/l	97
30) Chloroform	7.55	83	39480	11.150	ug/l	98
31) Cyclohexane	7.82	56	40954	10.786	ug/l #	89
32) 1,1,1-Trichloroethane	7.74	97	33867	10.829	ug/l	98
36) 1,1-Dichloropropene	7.95	75	32545	11.046	ug/l	100
37) Ethyl Acetate	7.11	43	20028	11.445	ug/l	100
38) Carbon Tetrachloride	7.94	117	27945	10.380	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	42071	10.606	ug/l	94
40) Benzene	8.19	78	94563	10.932	ug/l	98
41) Methacrylonitrile	7.35	41	8109m	9.829	ug/l	
42) 1,2-Dichloroethane	8.27	62	26336	10.880	ug/l	100
43) Isopropyl Acetate	8.30	43	37850	11.273	ug/l	100
44) Trichloroethene	8.97	130	24237	10.835	ug/l	96
45) 1,2-Dichloropropane	9.24	63	24110	11.208	ug/l	99
46) Dibromomethane	9.33	93	12890	11.052	ug/l	98
47) Bromodichloromethane	9.52	83	30488	10.753	ug/l	95
48) Methyl methacrylate	9.31	41	17463	11.315	ug/l	98
49) 1,4-Dioxane	9.32	88	3857	267.797	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	97217	57.034	ug/l	100
52) Toluene	10.26	92	60122	10.928	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	33312	10.492	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	39075	10.903	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	19289	11.120	ug/l	97
56) Ethyl methacrylate	10.53	69	27926	10.553	ug/l	98
57) 1,3-Dichloropropane	10.81	76	33086	11.115	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	50756	55.184	ug/l	99
59) 2-Hexanone	10.85	43	67403	56.392	ug/l	98
60) Dibromochloromethane	11.00	129	21349	10.782	ug/l	97
61) 1,2-Dibromoethane	11.11	107	18095	10.739	ug/l	99
64) Tetrachloroethene	10.74	164	19493	10.767	ug/l	98
65) Chlorobenzene	11.53	112	63404	11.141	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	21614	11.029	ug/l	97
67) Ethyl Benzene	11.61	91	115652	11.098	ug/l	95
68) m/p-Xylenes	11.72	106	86470	22.062	ug/l	97
69) o-Xylene	12.05	106	41195	10.931	ug/l	100
70) Styrene	12.06	104	71137	10.770	ug/l	99
71) Bromoform	12.22	173	12422	10.354	ug/l #	98
73) Isopropylbenzene	12.34	105	109647	10.893	ug/l	100
74) N-amyl acetate	12.16	43	34555	10.901	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	23015	10.781	ug/l	97
76) 1,2,3-Trichloropropane	12.65	75	18169m	12.349	ug/l	
77) Bromobenzene	12.62	156	24597	11.053	ug/l	97
78) n-propylbenzene	12.69	91	132032	10.895	ug/l	99
79) 2-Chlorotoluene	12.77	91	74162	10.677	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	92032	10.977	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	8460	10.055	ug/l	98
82) 4-Chlorotoluene	12.87	91	79315	10.704	ug/l	99
83) tert-Butylbenzene	13.09	119	76846	10.868	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	92850	11.136	ug/l	100
85) sec-Butylbenzene	13.27	105	109408	10.762	ug/l	98
86) p-Isopropyltoluene	13.38	119	98641	11.190	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	47219	11.175	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	48761	11.252	ug/l	98
89) n-Butylbenzene	13.71	91	96710	10.908	ug/l	100
90) Hexachloroethane	13.97	117	18058	10.506	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	43574	11.111	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	4208	11.076	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	29750	11.546	ug/l	98
94) Hexachlorobutadiene	15.12	225	14604	11.305	ug/l	96
95) Naphthalene	15.25	128	66882	11.156	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	25845	11.353	ug/l	98

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

