

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001146.D
 Acq On : 10 Jan 2020 14:19
 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
 1/13/2020 12:38:47 PM

Quant Time: Jan 10 15:38:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:28:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	223384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	377146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	330607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151028	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	22748	11.64	ug/l	0.00
Spiked Amount			Recovery	=	23.28%	
35) Dibromofluoromethane	7.73	113	23855	11.10	ug/l	0.00
Spiked Amount			Recovery	=	22.20%	
50) Toluene-d8	10.18	98	79050	9.87	ug/l	0.00
Spiked Amount			Recovery	=	19.74%	
62) 4-Bromofluorobenzene	12.48	95	36235	11.76	ug/l	0.00
Spiked Amount			Recovery	=	23.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	19120	11.807	ug/l	100
3) Chloromethane	2.11	50	27557	20.432	ug/l	98
4) Vinyl Chloride	2.25	62	26191	18.933	ug/l	98
5) Bromomethane	2.65	94	14489	15.555	ug/l	98
6) Chloroethane	2.80	64	15813	17.478	ug/l	98
7) Trichlorofluoromethane	3.13	101	35618	11.145	ug/l	98
8) Diethyl Ether	3.54	74	14182	12.096	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	23169	11.495	ug/l	99
10) Methyl Iodide	4.10	142	31306	10.242	ug/l	100
11) Tert butyl alcohol	4.97	59	12730	67.140	ug/l	95
12) 1,1-Dichloroethene	3.88	96	23621	11.408	ug/l	94
13) Acrolein	3.74	56	11291	63.403	ug/l	98
14) Allyl chloride	4.49	41	38702	15.918	ug/l	99
15) Acrylonitrile	5.18	53	33834	65.947	ug/l	100
16) Acetone	3.96	43	27719	71.879	ug/l	99
17) Carbon Disulfide	4.20	76	76620	12.263	ug/l	97
18) Methyl Acetate	4.49	43	18091	15.087	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	63435	12.322	ug/l	99
20) Methylene Chloride	4.72	84	34090	14.019	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	26067	11.259	ug/l	95
22) Diisopropyl ether	6.13	45	77085	15.431	ug/l	99
23) Vinyl Acetate	6.07	43	251664	79.662	ug/l	97
24) 1,1-Dichloroethane	6.03	63	43148	13.208	ug/l	99
25) 2-Butanone	7.00	43	42225	67.016	ug/l	98
26) 2,2-Dichloropropane	6.99	77	40928	11.778	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	28404	10.412	ug/l	97
28) Bromochloromethane	7.34	49	16301	12.669	ug/l	99
29) Tetrahydrofuran	7.36	42	29177	68.471	ug/l	99
30) Chloroform	7.52	83	42385	10.799	ug/l	96
31) Cyclohexane	7.79	56	47352	12.449	ug/l	# 93
32) 1,1,1-Trichloroethane	7.71	97	38123	10.538	ug/l	97
36) 1,1-Dichloropropene	7.92	75	35282	10.711	ug/l	99
37) Ethyl Acetate	7.09	43	20724	14.203	ug/l	98
38) Carbon Tetrachloride	7.91	117	32120	9.579	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	48503	10.660	ug/l	99
40) Benzene	8.17	78	102739	10.213	ug/l	100
41) Methacrylonitrile	7.32	41	11626m	16.074	ug/l	
42) 1,2-Dichloroethane	8.25	62	28255	11.439	ug/l	98
43) Isopropyl Acetate	8.28	43	38680	13.418	ug/l	99
44) Trichloroethene	8.94	130	26682	9.025	ug/l	100
45) 1,2-Dichloropropane	9.22	63	25826	11.330	ug/l	100
46) Dibromomethane	9.31	93	13312	9.987	ug/l	95
47) Bromodichloromethane	9.50	83	33700	11.103	ug/l	98
48) Methyl methacrylate	9.30	41	18474	14.708	ug/l	97
49) 1,4-Dioxane	9.31	88	3408	172.732	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	100075	72.027	ug/l	99
52) Toluene	10.24	92	64997	10.467	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	36773	11.459	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	41809	11.096	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	20570	10.754	ug/l	96
56) Ethyl methacrylate	10.51	69	30914	12.196	ug/l	98
57) 1,3-Dichloropropane	10.79	76	34695	11.475	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	55763	61.239	ug/l	99
59) 2-Hexanone	10.83	43	66982	72.057	ug/l	99
60) Dibromochloromethane	10.99	129	23493	10.768	ug/l	99
61) 1,2-Dibromoethane	11.09	107	20058	10.826	ug/l	98
64) Tetrachloroethene	10.72	164	21500	7.351	ug/l	96
65) Chlorobenzene	11.52	112	68562	9.877	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	23563	9.659	ug/l	97
67) Ethyl Benzene	11.59	91	125633	10.324	ug/l	97
68) m/p-Xylenes	11.70	106	93278	19.424	ug/l	98
69) o-Xylene	12.03	106	44875	9.844	ug/l	98
70) Styrene	12.04	104	77851	10.049	ug/l	99
71) Bromoform	12.20	173	14425	9.891	ug/l #	99
73) Isopropylbenzene	12.33	105	118410	10.445	ug/l	100
74) N-amyl acetate	12.14	43	35599	14.930	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	24562	11.838	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	16072m	10.312	ug/l	
77) Bromobenzene	12.61	156	26193	9.637	ug/l	96
78) n-propylbenzene	12.67	91	142244	10.568	ug/l	99
79) 2-Chlorotoluene	12.75	91	81105	10.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	98451	10.232	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	9642	12.083	ug/l #	100
82) 4-Chlorotoluene	12.85	91	86484	11.105	ug/l	98
83) tert-Butylbenzene	13.07	119	83900	10.303	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	98669	10.240	ug/l	98
85) sec-Butylbenzene	13.25	105	119939	10.472	ug/l	99
86) p-Isopropyltoluene	13.36	119	105367	10.249	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	50856	9.980	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	51089	9.939	ug/l	97
89) n-Butylbenzene	13.69	91	103726	10.600	ug/l	100
90) Hexachloroethane	13.95	117	19850	10.327	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	46306	9.893	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	4433	11.904	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	30303	9.451	ug/l	98
94) Hexachlorobutadiene	15.11	225	15547	9.588	ug/l	99
95) Naphthalene	15.23	128	67975	9.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	26057	9.116	ug/l	99

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

