

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091319\
 Data File : VY000037.D
 Acq On : 13 Sep 2019 11:17
 Operator : SY/MD
 Sample : MDL1
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Quant Time: Sep 19 12:09:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:58:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	127173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	247760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	211425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	88322	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	71273	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
35) Dibromofluoromethane	7.72	113	72243	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	10.18	98	296629	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.48	95	101551	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	4275	4.558	ug/l	97
3) Chloromethane	2.11	50	10288	6.342	ug/l	91
4) Vinyl Chloride	2.25	62	5347	3.760	ug/l #	87
5) Bromomethane	2.64	94	4361	4.825	ug/l	91
6) Chloroethane	2.78	64	3077	3.250	ug/l	98
7) Trichlorofluoromethane	3.12	101	7846	4.246	ug/l #	78
8) Diethyl Ether	3.53	74	2946	3.879	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4817	3.831	ug/l	92
10) Methyl Iodide	4.09	142	3810	2.771	ug/l #	90
11) Tert butyl alcohol	4.95	59	3502m	20.107	ug/l	
12) 1,1-Dichloroethene	3.87	96	4499	3.839	ug/l	88
13) Acrolein	3.73	56	2407	18.422	ug/l	95
14) Allyl chloride	4.48	41	7291	4.007	ug/l	95
15) Acrylonitrile	5.17	53	8348	17.325	ug/l	93
16) Acetone	3.95	43	6500	17.111	ug/l #	80
17) Carbon Disulfide	4.19	76	10204	4.324	ug/l	99
18) Methyl Acetate	4.48	43	4381	4.099	ug/l	92
19) Methyl tert-butyl Ether	5.21	73	12494	3.520	ug/l	95
20) Methylene Chloride	4.70	84	7453	4.922	ug/l	89
21) trans-1,2-Dichloroethene	5.22	96	4664	3.594	ug/l	95
22) Diisopropyl ether	6.12	45	14137	3.519	ug/l	98
23) Vinyl Acetate	6.07	43	44557	16.034	ug/l #	92
24) 1,1-Dichloroethane	6.01	63	8207	3.448	ug/l	99
25) 2-Butanone	6.99	43	10776	17.454	ug/l	99
26) 2,2-Dichloropropane	6.98	77	9691	4.382	ug/l	89
27) cis-1,2-Dichloroethene	6.99	96	5274	3.221	ug/l	66
28) Bromochloromethane	7.34	49	3665	3.352	ug/l #	93
29) Tetrahydrofuran	7.36	42	6185	16.840	ug/l #	83
30) Chloroform	7.51	83	8712	3.549	ug/l	90
31) Cyclohexane	7.78	56	10359	5.221	ug/l #	59
32) 1,1,1-Trichloroethane	7.69	97	7432	3.691	ug/l	96
36) 1,1-Dichloropropene	7.92	75	6899	3.793	ug/l	98
37) Ethyl Acetate	7.08	43	4300	3.505	ug/l #	90
38) Carbon Tetrachloride	7.90	117	5796	3.375	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	7686	3.420	ug/l #	86
40) Benzene	8.16	78	20478	3.458	ug/l	100
41) Methacrylonitrile	7.31	41	2166m	3.035	ug/l	
42) 1,2-Dichloroethane	8.24	62	5177	3.420	ug/l	98
43) Isopropyl Acetate	8.27	43	7997	3.364	ug/l	93
44) Trichloroethene	8.94	130	5448	3.684	ug/l	91
45) 1,2-Dichloropropane	9.22	63	5147	3.370	ug/l	100
46) Dibromomethane	9.30	93	3231	3.812	ug/l	89
47) Bromodichloromethane	9.50	83	6624	3.274	ug/l #	75
48) Methyl methacrylate	9.29	41	3788	3.611	ug/l	93
49) 1,4-Dioxane	9.29	88	993	55.946	ug/l #	70
51) 4-Methyl-2-Pentanone	10.07	43	20959	15.735	ug/l	99
52) Toluene	10.24	92	12125	3.258	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	6798	3.196	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	8011	3.236	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	4002	2.980	ug/l #	89
56) Ethyl methacrylate	10.51	69	5946	3.155	ug/l	96
57) 1,3-Dichloropropane	10.79	76	7067	3.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	16093	15.587	ug/l	90
59) 2-Hexanone	10.84	43	14698	15.313	ug/l	100
60) Dibromochloromethane	10.98	129	3891	2.749	ug/l	87
61) 1,2-Dibromoethane	11.09	107	4013	3.383	ug/l	93
64) Tetrachloroethene	10.72	164	4244	3.273	ug/l	93
65) Chlorobenzene	11.51	112	13606	3.377	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	4347	3.114	ug/l	98
67) Ethyl Benzene	11.59	91	23831	3.256	ug/l	99
68) m/p-Xylenes	11.69	106	18089	6.550	ug/l	99
69) o-Xylene	12.02	106	8544	3.156	ug/l	98
70) Styrene	12.04	104	15509	3.294	ug/l	97
71) Bromoform	12.20	173	2295	2.723	ug/l #	92
73) Isopropylbenzene	12.32	105	22977	3.405	ug/l	99
74) N-amyl acetate	12.14	43	5775	2.899	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	5700	3.533	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	4654m	3.794	ug/l	
77) Bromobenzene	12.60	156	5190	3.636	ug/l	89
78) n-propylbenzene	12.66	91	28201	3.419	ug/l	99
79) 2-Chlorotoluene	12.75	91	15390	3.337	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	19187	3.405	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	2224	3.596	ug/l	85
82) 4-Chlorotoluene	12.85	91	15638	3.231	ug/l	96
83) tert-Butylbenzene	13.07	119	16685	3.446	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	18475	3.319	ug/l	99
85) sec-Butylbenzene	13.25	105	23753	3.324	ug/l	100
86) p-Isopropyltoluene	13.37	119	20208	3.334	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	9697	3.375	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	9428	3.261	ug/l	86
89) n-Butylbenzene	13.69	91	20309	3.306	ug/l	98
90) Hexachloroethane	13.95	117	3961	3.270	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	7801	2.918	ug/l	88
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1196	3.812	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5539	3.247	ug/l	91
94) Hexachlorobutadiene	15.10	225	2482	3.172	ug/l	91
95) Naphthalene	15.23	128	14016	3.003	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.41	180	4554	2.973	ug/l	87

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

