

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000030.D
 Acq On : 12 Sep 2019 17:03
 Operator : SY/MD
 Sample : MDL3
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:54:01 PM

Quant Time: Sep 19 12:04:47 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	129384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	247164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	213943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91280	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	68317	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.71	113	67018	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	10.18	98	284613	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.48	95	96245	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	4309	4.516	ug/l	86
3) Chloromethane	2.11	50	6820	4.133	ug/l	92
4) Vinyl Chloride	2.24	62	5696	3.937	ug/l #	86
5) Bromomethane	2.63	94	4667	5.075	ug/l	83
6) Chloroethane	2.78	64	3770	3.914	ug/l	99
7) Trichlorofluoromethane	3.11	101	7576	4.030	ug/l	97
8) Diethyl Ether	3.54	74	2858	3.699	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4909	3.837	ug/l	95
10) Methyl Iodide	4.08	142	3515	2.512	ug/l #	95
11) Tert butyl alcohol	4.96	59	3180	17.947	ug/l #	83
12) 1,1-Dichloroethene	3.87	96	4624	3.878	ug/l	87
13) Acrolein	3.73	56	3148	23.682	ug/l	98
14) Allyl chloride	4.48	41	6744	3.643	ug/l	96
15) Acrylonitrile	5.18	53	7964	16.246	ug/l	91
16) Acetone	3.95	43	7150	18.501	ug/l #	82
17) Carbon Disulfide	4.19	76	10839	4.514	ug/l #	90
18) Methyl Acetate	4.49	43	4666	4.291	ug/l #	77
19) Methyl tert-butyl Ether	5.23	73	12716	3.521	ug/l #	87
20) Methylene Chloride	4.71	84	9317	6.048	ug/l	90
21) trans-1,2-Dichloroethene	5.22	96	4642	3.516	ug/l	93
22) Diisopropyl ether	6.12	45	13890	3.399	ug/l #	86
23) Vinyl Acetate	6.06	43	43712	15.461	ug/l	99
24) 1,1-Dichloroethane	6.02	63	7892	3.259	ug/l #	90
25) 2-Butanone	7.00	43	11917	18.972	ug/l #	85
26) 2,2-Dichloropropane	6.98	77	10561	4.694	ug/l #	62
27) cis-1,2-Dichloroethene	6.98	96	5676	3.408	ug/l	75
28) Bromochloromethane	7.32	49	4047	3.639	ug/l #	93
29) Tetrahydrofuran	7.37	42	6533	17.484	ug/l	96
30) Chloroform	7.51	83	9384	3.757	ug/l	95
31) Cyclohexane	7.78	56	10291	5.099	ug/l #	53
32) 1,1,1-Trichloroethane	7.70	97	6812	3.325	ug/l	95
36) 1,1-Dichloropropene	7.91	75	6900	3.802	ug/l	97
37) Ethyl Acetate	7.08	43	4959	4.052	ug/l #	76
38) Carbon Tetrachloride	7.90	117	5928	3.461	ug/l #	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	9075	4.048	ug/l	87
40) Benzene	8.16	78	19560	3.311	ug/l	96
41) Methacrylonitrile	7.31	41	1600	2.247	ug/l #	40
42) 1,2-Dichloroethane	8.23	62	5411	3.584	ug/l	94
43) Isopropyl Acetate	8.28	43	7605	3.207	ug/l	94
44) Trichloroethene	8.93	130	5369	3.639	ug/l	85
45) 1,2-Dichloropropane	9.21	63	4620	3.033	ug/l #	77
46) Dibromomethane	9.31	93	2792	3.302	ug/l	97
47) Bromodichloromethane	9.49	83	6519	3.230	ug/l #	77
48) Methyl methacrylate	9.29	41	3573	3.415	ug/l	90
49) 1,4-Dioxane	9.30	88	1225	69.183	ug/l #	72
51) 4-Methyl-2-Pentanone	10.07	43	20074	15.107	ug/l	98
52) Toluene	10.24	92	12581	3.389	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	6835	3.221	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	7764	3.144	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	4058	3.029	ug/l	88
56) Ethyl methacrylate	10.51	69	6022	3.203	ug/l	92
57) 1,3-Dichloropropane	10.79	76	7320	3.416	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	18641	18.098	ug/l	93
59) 2-Hexanone	10.83	43	14213	14.843	ug/l	100
60) Dibromochloromethane	10.98	129	3923	2.779	ug/l	93
61) 1,2-Dibromoethane	11.09	107	3771	3.187	ug/l	92
64) Tetrachloroethene	10.71	164	4854	3.700	ug/l	89
65) Chlorobenzene	11.51	112	13232	3.246	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.58	131	4705	3.331	ug/l	90
67) Ethyl Benzene	11.59	91	24872	3.358	ug/l	97
68) m/p-Xylenes	11.70	106	19037	6.812	ug/l	97
69) o-Xylene	12.02	106	9428	3.442	ug/l	94
70) Styrene	12.04	104	14252	2.991	ug/l	94
71) Bromoform	12.20	173	2381	2.792	ug/l #	96
73) Isopropylbenzene	12.32	105	23340	3.347	ug/l	95
74) N-amyl acetate	12.14	43	6049	2.938	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	6054	3.630	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	3143m	2.479	ug/l	
77) Bromobenzene	12.60	156	4346	2.946	ug/l	81
78) n-propylbenzene	12.66	91	27633	3.242	ug/l	97
79) 2-Chlorotoluene	12.76	91	15281	3.206	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	19726	3.387	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.37	75	1882	2.944	ug/l	91
82) 4-Chlorotoluene	12.85	91	16862	3.371	ug/l	92
83) tert-Butylbenzene	13.07	119	16544	3.306	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	19704	3.425	ug/l	96
85) sec-Butylbenzene	13.25	105	25295	3.425	ug/l	100
86) p-Isopropyltoluene	13.37	119	20937	3.342	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	9845	3.316	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	9671	3.237	ug/l	86
89) n-Butylbenzene	13.69	91	20252	3.190	ug/l	94
90) Hexachloroethane	13.96	117	4222	3.373	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	8896	3.219	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	945	2.914	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5505	3.122	ug/l	97
94) Hexachlorobutadiene	15.10	225	2434	3.010	ug/l	89
95) Naphthalene	15.23	128	14548	3.016	ug/l	97
96) 1,2,3-Trichlorobenzene	15.41	180	5618	3.549	ug/l	96

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

