

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091619\
 Data File : VY000046.D
 Acq On : 16 Sep 2019 14:18
 Operator : SY/MD
 Sample : MDL1
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:02:17 AM

Quant Time: Sep 17 06:44:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 06:29:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	118746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	227064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	198877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	81025	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	67392	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.72	113	65809	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.18	98	274294	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.48	95	96726	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.90	85	3819	4.361	ug/l	92
3) Chloromethane	2.11	50	12670	8.895	ug/l	97
4) Vinyl Chloride	2.25	62	5959	4.488	ug/l	90
5) Bromomethane	2.63	94	5144	6.095	ug/l	99
6) Chloroethane	2.78	64	4704	5.321	ug/l #	73
7) Trichlorofluoromethane	3.12	101	7772	4.504	ug/l	96
8) Diethyl Ether	3.53	74	3417	4.819	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.89	101	5599	4.768	ug/l	91
10) Methyl Iodide	4.08	142	4149	3.231	ug/l #	72
11) Tert butyl alcohol	4.97	59	4449	27.358	ug/l #	92
12) 1,1-Dichloroethene	3.87	96	5220	4.770	ug/l	89
13) Acrolein	3.73	56	2521	20.664	ug/l #	58
14) Allyl chloride	4.48	41	7385	4.346	ug/l	93
15) Acrylonitrile	5.17	53	9673	21.500	ug/l #	89
16) Acetone	3.95	43	8340	23.513	ug/l	99
17) Carbon Disulfide	4.19	76	12130	5.504	ug/l #	90
18) Methyl Acetate	4.48	43	4963	4.973	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	15036	4.536	ug/l	93
20) Methylene Chloride	4.71	84	9986	7.063	ug/l #	90
21) trans-1,2-Dichloroethene	5.22	96	6159	5.083	ug/l	88
22) Diisopropyl ether	6.13	45	16942	4.517	ug/l	90
23) Vinyl Acetate	6.06	43	53616	20.663	ug/l	98
24) 1,1-Dichloroethane	6.02	63	10461	4.706	ug/l #	92
25) 2-Butanone	7.00	43	13681	23.732	ug/l #	86
26) 2,2-Dichloropropane	6.98	77	11219	5.433	ug/l	88
27) cis-1,2-Dichloroethene	6.99	96	6703	4.385	ug/l	82
28) Bromochloromethane	7.34	49	4970	4.869	ug/l	97
29) Tetrahydrofuran	7.35	42	8799	25.658	ug/l	95
30) Chloroform	7.52	83	11146	4.863	ug/l	87
31) Cyclohexane	7.79	56	10838	5.851	ug/l #	85
32) 1,1,1-Trichloroethane	7.71	97	8140	4.329	ug/l	96
36) 1,1-Dichloropropene	7.92	75	8172	4.902	ug/l	95
37) Ethyl Acetate	7.08	43	4895	4.354	ug/l #	91
38) Carbon Tetrachloride	7.90	117	6640	4.219	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	8909	4.325	ug/l	94
40) Benzene	8.17	78	24783	4.566	ug/l	96
41) Methacrylonitrile	7.32	41	3506	5.360	ug/l #	71
42) 1,2-Dichloroethane	8.24	62	6533	4.710	ug/l	96
43) Isopropyl Acetate	8.28	43	9228	4.236	ug/l	95
44) Trichloroethene	8.94	130	6085	4.490	ug/l	83
45) 1,2-Dichloropropane	9.21	63	6461	4.616	ug/l	92
46) Dibromomethane	9.31	93	3313	4.265	ug/l	98
47) Bromodichloromethane	9.50	83	8266	4.458	ug/l #	81
48) Methyl methacrylate	9.29	41	4341	4.516	ug/l	95
49) 1,4-Dioxane	9.31	88	1511	92.890	ug/l #	74
51) 4-Methyl-2-Pentanone	10.07	43	25646	21.009	ug/l	98
52) Toluene	10.24	92	15133	4.437	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	8531	4.376	ug/l	92
54) cis-1,3-Dichloropropene	9.93	75	9942	4.383	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	4748	3.857	ug/l	89
56) Ethyl methacrylate	10.51	69	7217	4.178	ug/l	100
57) 1,3-Dichloropropane	10.79	76	8385	4.260	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.78	63	20740	21.918	ug/l	95
59) 2-Hexanone	10.84	43	17838	20.278	ug/l	98
60) Dibromochloromethane	10.99	129	5193	4.004	ug/l	87
61) 1,2-Dibromoethane	11.09	107	4710	4.332	ug/l	98
64) Tetrachloroethene	10.71	164	5494	4.505	ug/l	89
65) Chlorobenzene	11.51	112	16032	4.231	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	5449	4.150	ug/l	99
67) Ethyl Benzene	11.59	91	29504	4.286	ug/l	94
68) m/p-Xylenes	11.70	106	22546	8.679	ug/l	97
69) o-Xylene	12.02	106	10422	4.093	ug/l	98
70) Styrene	12.04	104	17863	4.033	ug/l	99
71) Bromoform	12.20	173	3098	3.908	ug/l #	96
73) Isopropylbenzene	12.33	105	27457	4.435	ug/l	99
74) N-amyl acetate	12.14	43	7610	4.164	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	7026	4.747	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	5612m	4.987	ug/l	
77) Bromobenzene	12.60	156	5555	4.242	ug/l	85
78) n-propylbenzene	12.66	91	33886	4.479	ug/l	100
79) 2-Chlorotoluene	12.75	91	18740	4.430	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	22628	4.377	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	2623	4.623	ug/l	92
82) 4-Chlorotoluene	12.85	91	18866	4.249	ug/l	99
83) tert-Butylbenzene	13.07	119	19561	4.404	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	23565	4.615	ug/l	97
85) sec-Butylbenzene	13.25	105	29258	4.464	ug/l	99
86) p-Isopropyltoluene	13.37	119	24146	4.342	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	11818	4.484	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	11661	4.396	ug/l	92
89) n-Butylbenzene	13.69	91	24582	4.363	ug/l	99
90) Hexachloroethane	13.95	117	4853	4.367	ug/l	92
91) 1,2-Dichlorobenzene	13.74	146	10775	4.393	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1569	5.451	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	6338	4.049	ug/l	99
94) Hexachlorobutadiene	15.11	225	2947	4.105	ug/l	98
95) Naphthalene	15.23	128	18243	4.260	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	6407	4.560	ug/l	93

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

