

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091619\
 Data File : VY000048.D
 Acq On : 16 Sep 2019 15:54
 Operator : SY/MD
 Sample : MDL3
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Manual Integrations
 APPROVED

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

Quant Time: Sep 17 06:48:47 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	112684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	226383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	196825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	84194	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	71493	58.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.80%	
35) Dibromofluoromethane	7.72	113	67440	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.18	98	280630	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.48	95	97826	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	4015	4.832	ug/l	91
3) Chloromethane	2.12	50	9371	6.933	ug/l	92
4) Vinyl Chloride	2.25	62	6366	5.052	ug/l #	86
5) Bromomethane	2.63	94	4405	5.500	ug/l	94
6) Chloroethane	2.78	64	4363	5.201	ug/l #	70
7) Trichlorofluoromethane	3.12	101	8738	5.337	ug/l	95
8) Diethyl Ether	3.53	74	3284	4.881	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.90	101	5816	5.220	ug/l	95
10) Methyl Iodide	4.09	142	4680	3.841	ug/l #	52
11) Tert butyl alcohol	4.98	59	3568	23.121	ug/l #	92
12) 1,1-Dichloroethene	3.87	96	5659	5.450	ug/l	87
13) Acrolein	3.74	56	2413	20.843	ug/l	99
14) Allyl chloride	4.48	41	8640	5.359	ug/l	95
15) Acrylonitrile	5.18	53	10765	25.214	ug/l	98
16) Acetone	3.95	43	8766	26.044	ug/l #	86
17) Carbon Disulfide	4.18	76	13330	6.374	ug/l	99
18) Methyl Acetate	4.49	43	5549	5.859	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	15296	4.863	ug/l	99
20) Methylene Chloride	4.71	84	9750	7.267	ug/l	91
21) trans-1,2-Dichloroethene	5.21	96	5763	5.012	ug/l	91
22) Diisopropyl ether	6.12	45	17657	4.961	ug/l #	90
23) Vinyl Acetate	6.06	43	55910	22.706	ug/l	95
24) 1,1-Dichloroethane	6.01	63	9807	4.650	ug/l	94
25) 2-Butanone	7.00	43	13967	25.531	ug/l	98
26) 2,2-Dichloropropane	6.98	77	12824	6.545	ug/l	77
27) cis-1,2-Dichloroethene	6.98	96	7011	4.833	ug/l	79
28) Bromochloromethane	7.33	49	4863	5.020	ug/l #	97
29) Tetrahydrofuran	7.36	42	7679	23.597	ug/l	95
30) Chloroform	7.51	83	10575	4.862	ug/l	90
31) Cyclohexane	7.79	56	11160	6.348	ug/l #	67
32) 1,1,1-Trichloroethane	7.71	97	8595	4.817	ug/l	97
36) 1,1-Dichloropropene	7.92	75	9550	5.746	ug/l	90
37) Ethyl Acetate	7.08	43	5063	4.517	ug/l #	87
38) Carbon Tetrachloride	7.90	117	7269	4.633	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	10509	5.117	ug/l	89
40) Benzene	8.16	78	25231	4.663	ug/l	97
41) Methacrylonitrile	7.32	41	3354	5.143	ug/l #	79
42) 1,2-Dichloroethane	8.23	62	6620	4.787	ug/l	96
43) Isopropyl Acetate	8.27	43	9842	4.531	ug/l	97
44) Trichloroethene	8.94	130	6519	4.825	ug/l	81
45) 1,2-Dichloropropane	9.22	63	6627	4.749	ug/l #	84
46) Dibromomethane	9.31	93	3534	4.564	ug/l	92
47) Bromodichloromethane	9.50	83	8260	4.468	ug/l	86
48) Methyl methacrylate	9.30	41	4091	4.268	ug/l	90
49) 1,4-Dioxane	9.29	88	1224	75.473	ug/l #	69
51) 4-Methyl-2-Pentanone	10.07	43	27628	22.701	ug/l	99
52) Toluene	10.24	92	15908	4.678	ug/l	96
53) t-1,3-Dichloropropene	10.46	75	9035	4.648	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	10132	4.480	ug/l #	87
55) 1,1,2-Trichloroethane	10.65	97	5292	4.312	ug/l	95
56) Ethyl methacrylate	10.51	69	7722	4.484	ug/l	97
57) 1,3-Dichloropropane	10.79	76	8857	4.513	ug/l #	85
58) 2-Chloroethyl Vinyl ether	9.78	63	20697	21.938	ug/l	98
59) 2-Hexanone	10.83	43	17944	20.460	ug/l	96
60) Dibromochloromethane	10.98	129	5664	4.380	ug/l	99
61) 1,2-Dibromoethane	11.09	107	5114	4.718	ug/l	95
64) Tetrachloroethene	10.71	164	5685	4.710	ug/l #	79
65) Chlorobenzene	11.51	112	16486	4.396	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	5656	4.352	ug/l	94
67) Ethyl Benzene	11.59	91	29312	4.302	ug/l	99
68) m/p-Xylenes	11.70	106	22791	8.864	ug/l	100
69) o-Xylene	12.02	106	11131	4.417	ug/l	98
70) Styrene	12.04	104	18952	4.323	ug/l	98
71) Bromoform	12.21	173	3192	4.068	ug/l #	85
73) Isopropylbenzene	12.32	105	28299	4.399	ug/l	98
74) N-amyl acetate	12.14	43	8313	4.378	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	7093	4.612	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	4091m	3.498	ug/l	
77) Bromobenzene	12.60	156	5989	4.401	ug/l	90
78) n-propylbenzene	12.67	91	34983	4.450	ug/l	100
79) 2-Chlorotoluene	12.75	91	20121	4.577	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	23681	4.409	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	2844	4.824	ug/l	86
82) 4-Chlorotoluene	12.85	91	19793	4.290	ug/l	99
83) tert-Butylbenzene	13.07	119	20521	4.446	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	23809	4.487	ug/l	99
85) sec-Butylbenzene	13.25	105	31308	4.597	ug/l	99
86) p-Isopropyltoluene	13.37	119	24769	4.287	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	11758	4.293	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	12238	4.440	ug/l	92
89) n-Butylbenzene	13.69	91	25707	4.390	ug/l	98
90) Hexachloroethane	13.95	117	5012	4.341	ug/l	91
91) 1,2-Dichlorobenzene	13.74	146	11475	4.502	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1501	5.019	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	6296	3.871	ug/l	93
94) Hexachlorobutadiene	15.10	225	3030	4.062	ug/l	87
95) Naphthalene	15.22	128	17860	4.014	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.41	180	6465	4.428	ug/l	95

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

