

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000028.D
 Acq On : 12 Sep 2019 15:39
 Operator : SY/MD
 Sample : MDL1
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:53:58 PM

Quant Time: Sep 19 12:01:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:53:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	135620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	262093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	222946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	94389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	72448	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.72	113	70778	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	10.18	98	299716	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.48	95	101201	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	4104	4.104	ug/l	98
3) Chloromethane	2.11	50	8381	4.845	ug/l	91
4) Vinyl Chloride	2.24	62	5997	3.954	ug/l	99
5) Bromomethane	2.63	94	5125	5.317	ug/l	89
6) Chloroethane	2.78	64	4349	4.307	ug/l	89
7) Trichlorofluoromethane	3.12	101	8204	4.163	ug/l	99
8) Diethyl Ether	3.53	74	3121	3.854	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.89	101	5313	3.962	ug/l #	81
10) Methyl Iodide	4.07	142	3399	2.318	ug/l	96
11) Tert butyl alcohol	4.98	59	5480m	29.505	ug/l	
12) 1,1-Dichloroethene	3.86	96	4520	3.617	ug/l #	75
13) Acrolein	3.73	56	2573	18.466	ug/l #	64
14) Allyl chloride	4.47	41	7324	3.774	ug/l	96
15) Acrylonitrile	5.17	53	9920	19.306	ug/l	97
16) Acetone	3.95	43	7583	18.719	ug/l	96
17) Carbon Disulfide	4.18	76	12510	4.970	ug/l	99
18) Methyl Acetate	4.47	43	5104	4.478	ug/l #	88
19) Methyl tert-butyl Ether	5.21	73	13380	3.535	ug/l	91
20) Methylene Chloride	4.72	84	9236	5.719	ug/l #	79
21) trans-1,2-Dichloroethene	5.21	96	5839	4.219	ug/l	96
22) Diisopropyl ether	6.13	45	15530	3.625	ug/l #	86
23) Vinyl Acetate	6.06	43	53031	17.895	ug/l	93
24) 1,1-Dichloroethane	6.03	63	9754	3.842	ug/l #	92
25) 2-Butanone	7.00	43	15505	23.549	ug/l	100
26) 2,2-Dichloropropane	6.98	77	12027	5.100	ug/l	86
27) cis-1,2-Dichloroethene	6.99	96	6095	3.491	ug/l	76
28) Bromochloromethane	7.33	49	4432	3.802	ug/l #	91
29) Tetrahydrofuran	7.36	42	7611	19.432	ug/l	92
30) Chloroform	7.51	83	10042	3.836	ug/l	97
31) Cyclohexane	7.78	56	10744	5.078	ug/l #	71
32) 1,1,1-Trichloroethane	7.70	97	7859	3.660	ug/l	95
36) 1,1-Dichloropropene	7.92	75	7977	4.145	ug/l	97
37) Ethyl Acetate	7.07	43	5180	3.992	ug/l	98
38) Carbon Tetrachloride	7.90	117	6510	3.584	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	9023	3.795	ug/l #	84
40) Benzene	8.16	78	21753	3.472	ug/l	99
41) Methacrylonitrile	7.32	41	2338	3.097	ug/l #	70
42) 1,2-Dichloroethane	8.24	62	6759	4.222	ug/l	85
43) Isopropyl Acetate	8.28	43	10412	4.141	ug/l #	88
44) Trichloroethene	8.94	130	5704	3.646	ug/l	90
45) 1,2-Dichloropropane	9.21	63	6125	3.791	ug/l #	81
46) Dibromomethane	9.31	93	3233	3.606	ug/l	91
47) Bromodichloromethane	9.49	83	8107	3.788	ug/l #	90
48) Methyl methacrylate	9.29	41	4204	3.789	ug/l	92
49) 1,4-Dioxane	9.31	88	1602	85.322	ug/l #	74
51) 4-Methyl-2-Pentanone	10.07	43	31386	22.275	ug/l	100
52) Toluene	10.24	92	14913	3.788	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	8730	3.880	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	10282	3.927	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	5806	4.087	ug/l	97
56) Ethyl methacrylate	10.51	69	8609	4.318	ug/l	97
57) 1,3-Dichloropropane	10.79	76	9115	4.012	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	19283	17.655	ug/l	98
59) 2-Hexanone	10.83	43	22199	21.863	ug/l	94
60) Dibromochloromethane	10.99	129	5783	3.863	ug/l	95
61) 1,2-Dibromoethane	11.09	107	5108	4.070	ug/l	98
64) Tetrachloroethene	10.71	164	5782	4.229	ug/l	89
65) Chlorobenzene	11.51	112	16666	3.923	ug/l #	82
66) 1,1,1,2-Tetrachloroethane	11.59	131	5400	3.669	ug/l	89
67) Ethyl Benzene	11.59	91	29702	3.849	ug/l	99
68) m/p-Xylenes	11.70	106	22686	7.790	ug/l	99
69) o-Xylene	12.02	106	12073	4.230	ug/l	87
70) Styrene	12.04	104	20327	4.094	ug/l	96
71) Bromoform	12.20	173	3559	4.004	ug/l #	96
73) Isopropylbenzene	12.32	105	28790	3.992	ug/l	100
74) N-amyl acetate	12.14	43	9847	4.625	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	8307	4.818	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	6494m	4.953	ug/l	
77) Bromobenzene	12.60	156	6524	4.276	ug/l	90
78) n-propylbenzene	12.66	91	34388	3.902	ug/l	100
79) 2-Chlorotoluene	12.75	91	20182	4.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	24447	4.060	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.37	75	3295	4.985	ug/l	97
82) 4-Chlorotoluene	12.85	91	20531	3.969	ug/l	99
83) tert-Butylbenzene	13.07	119	20882	4.036	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	25393	4.269	ug/l	96
85) sec-Butylbenzene	13.25	105	28927	3.788	ug/l	100
86) p-Isopropyltoluene	13.36	119	24346	3.758	ug/l	98
87) 1,3-Dichlorobenzene	13.35	146	12400	4.039	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	12858	4.161	ug/l	92
89) n-Butylbenzene	13.69	91	24835	3.783	ug/l	97
90) Hexachloroethane	13.95	117	5050	3.901	ug/l	94
91) 1,2-Dichlorobenzene	13.73	146	12105	4.236	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1844	5.500	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	7428	4.074	ug/l	98
94) Hexachlorobutadiene	15.10	225	3028	3.621	ug/l	96
95) Naphthalene	15.22	128	22518	4.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	7359	4.496	ug/l	95

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

