

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121219\
 Data File : VY000929.D
 Acq On : 12 Dec 2019 13:04
 Operator : SY/MD
 Sample : VY1212SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Manual Integrations
 APPROVED

apatel
 12/13/2019 10:33:43 AM

Quant Time: Dec 13 08:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	277367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	484296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	435938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	200624	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	147082	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	7.72	113	138100	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.17	98	577456	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.47	95	202869	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	55948	18.738	ug/l	98
3) Chloromethane	2.11	50	71111	19.321	ug/l	98
4) Vinyl Chloride	2.25	62	71714	19.771	ug/l	99
5) Bromomethane	2.64	94	44925	19.017	ug/l	100
6) Chloroethane	2.79	64	44600	20.054	ug/l	98
7) Trichlorofluoromethane	3.12	101	98773	19.870	ug/l	99
8) Diethyl Ether	3.53	74	37067	19.812	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	62768	20.447	ug/l	99
10) Methyl Iodide	4.09	142	75631	19.568	ug/l	97
11) Tert butyl alcohol	4.97	59	28707	96.814	ug/l #	91
12) 1,1-Dichloroethene	3.87	96	63113	20.753	ug/l	100
13) Acrolein	3.73	56	29773	101.931	ug/l	96
14) Allyl chloride	4.49	41	106513	20.426	ug/l	99
15) Acrylonitrile	5.17	53	103854	107.496	ug/l	98
16) Acetone	3.96	43	73446	108.632	ug/l	97
17) Carbon Disulfide	4.19	76	192916	19.613	ug/l	99
18) Methyl Acetate	4.49	43	55305	19.563	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	170813	21.031	ug/l	93
20) Methylene Chloride	4.71	84	88716	24.893	ug/l	100
21) trans-1,2-Dichloroethene	5.21	96	72005	20.831	ug/l	99
22) Diisopropyl ether	6.12	45	226479	21.131	ug/l #	92
23) Vinyl Acetate	6.07	43	704932	108.192	ug/l	99
24) 1,1-Dichloroethane	6.02	63	126262	21.375	ug/l	97
25) 2-Butanone	6.99	43	128308	102.734	ug/l	98
26) 2,2-Dichloropropane	6.99	77	103032	20.724	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	77814	20.826	ug/l	98
28) Bromochloromethane	7.34	49	29544	15.106	ug/l	94
29) Tetrahydrofuran	7.35	42	89283	107.881	ug/l	97
30) Chloroform	7.51	83	117362	19.805	ug/l	99
31) Cyclohexane	7.78	56	127041	20.302	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	100481	20.535	ug/l	100
36) 1,1-Dichloropropene	7.92	75	98583	20.473	ug/l	98
37) Ethyl Acetate	7.08	43	58257	20.952	ug/l	99
38) Carbon Tetrachloride	7.90	117	87527	20.410	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	126429	19.817	ug/l	99
40) Benzene	8.16	78	293289	20.910	ug/l	97
41) Methacrylonitrile	7.32	41	25289m	17.257	ug/l	
42) 1,2-Dichloroethane	8.24	62	75552	20.482	ug/l	100
43) Isopropyl Acetate	8.27	43	107413	20.500	ug/l	99
44) Trichloroethene	8.94	130	75602	20.973	ug/l	95
45) 1,2-Dichloropropane	9.22	63	72946	20.705	ug/l	96
46) Dibromomethane	9.31	93	39264	21.330	ug/l	98
47) Bromodichloromethane	9.50	83	87161	20.156	ug/l	97
48) Methyl methacrylate	9.29	41	49889	21.652	ug/l	99
49) 1,4-Dioxane	9.31	88	11639	446.228	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	291744	107.765	ug/l	99
52) Toluene	10.24	92	182256	20.986	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	98432	21.186	ug/l	99
54) cis-1,3-Dichloropropene	9.92	75	115103	20.960	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	58292	21.433	ug/l	97
56) Ethyl methacrylate	10.50	69	82874	21.301	ug/l	99
57) 1,3-Dichloropropane	10.79	76	101124	21.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	163835	104.437	ug/l	98
59) 2-Hexanone	10.83	43	202575	102.689	ug/l	97
60) Dibromochloromethane	10.98	129	61912	21.146	ug/l	98
61) 1,2-Dibromoethane	11.08	107	52305	20.407	ug/l	97
64) Tetrachloroethene	10.72	164	82738	21.845	ug/l	94
65) Chlorobenzene	11.51	112	189030	20.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	64420	21.095	ug/l	99
67) Ethyl Benzene	11.59	91	350627	20.776	ug/l	98
68) m/p-Xylenes	11.70	106	263516	41.601	ug/l	98
69) o-Xylene	12.02	106	126133	21.356	ug/l	95
70) Styrene	12.04	104	221164	21.869	ug/l	97
71) Bromoform	12.20	173	36106	20.963	ug/l	# 96
73) Isopropylbenzene	12.33	105	328599	20.571	ug/l	99
74) N-amyl acetate	12.14	43	92752	20.861	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	63530	20.184	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	53190m	23.400	ug/l	
77) Bromobenzene	12.61	156	73846	21.327	ug/l	97
78) n-propylbenzene	12.66	91	404978	20.763	ug/l	99
79) 2-Chlorotoluene	12.75	91	220891	20.500	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	275899	20.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	24584	21.245	ug/l	97
82) 4-Chlorotoluene	12.85	91	230671	20.778	ug/l	98
83) tert-Butylbenzene	13.07	119	229238	20.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	276734	20.913	ug/l	99
85) sec-Butylbenzene	13.25	105	334451	20.681	ug/l	100
86) p-Isopropyltoluene	13.36	119	298393	21.213	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	143699	21.155	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	142485	21.185	ug/l	99
89) n-Butylbenzene	13.69	91	300328	21.118	ug/l	99
90) Hexachloroethane	13.95	117	56080	21.643	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	129518	21.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	11478	21.782	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	87262	21.106	ug/l	96
94) Hexachlorobutadiene	15.11	225	43183	21.067	ug/l	99
95) Naphthalene	15.23	128	207797	21.645	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	82124	22.238	ug/l	97

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

