

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\
 Data File : VY000796.D
 Acq On : 26 Nov 2019 12:21
 Operator : SY/MD
 Sample : VY1126SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1126SBS01

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:14:31 PM

Quant Time: Nov 26 12:51:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	307287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	533170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	466262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	220696	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	152032	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.72	113	147612	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
50) Toluene-d8	10.18	98	609061	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.48	95	211275	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	52470	17.346	ug/l	98
3) Chloromethane	2.11	50	75334	18.079	ug/l	99
4) Vinyl Chloride	2.25	62	70028	18.097	ug/l	96
5) Bromomethane	2.64	94	47352	20.406	ug/l	91
6) Chloroethane	2.79	64	47237	19.505	ug/l	97
7) Trichlorofluoromethane	3.12	101	104631	20.022	ug/l	97
8) Diethyl Ether	3.54	74	38939	20.971	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.90	101	67456	21.351	ug/l	94
10) Methyl Iodide	4.09	142	77762	20.702	ug/l	99
11) Tert butyl alcohol	4.96	59	30527	98.616	ug/l #	83
12) 1,1-Dichloroethene	3.88	96	67127	21.869	ug/l	95
13) Acrolein	3.74	56	18276	67.779	ug/l	99
14) Allyl chloride	4.48	41	114093	22.859	ug/l	93
15) Acrylonitrile	5.17	53	101448	106.652	ug/l	100
16) Acetone	3.96	43	69527	79.328	ug/l #	88
17) Carbon Disulfide	4.19	76	195090	20.152	ug/l	100
18) Methyl Acetate	4.48	43	53407	19.598	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	174857	20.489	ug/l	96
20) Methylene Chloride	4.72	84	78673	20.949	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	74912	21.588	ug/l	96
22) Diisopropyl ether	6.13	45	240712	22.189	ug/l	91
23) Vinyl Acetate	6.07	43	709929	103.668	ug/l	96
24) 1,1-Dichloroethane	6.02	63	130803	22.257	ug/l	99
25) 2-Butanone	7.00	43	125665	89.840	ug/l	93
26) 2,2-Dichloropropane	6.99	77	112764	20.996	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	85050	22.414	ug/l	98
28) Bromochloromethane	7.34	49	32751	15.312	ug/l	94
29) Tetrahydrofuran	7.35	42	81919	95.732	ug/l	98
30) Chloroform	7.51	83	132072	22.215	ug/l	94
31) Cyclohexane	7.79	56	132612	21.544	ug/l #	95
32) 1,1,1-Trichloroethane	7.71	97	107830	20.351	ug/l	98
36) 1,1-Dichloropropene	7.92	75	104016	20.637	ug/l	99
37) Ethyl Acetate	7.08	43	55344	18.495	ug/l	96
38) Carbon Tetrachloride	7.91	117	93046	19.185	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	136303	20.932	ug/l	99
40) Benzene	8.16	78	306798	20.762	ug/l	99
41) Methacrylonitrile	7.33	41	30839m	18.473	ug/l	
42) 1,2-Dichloroethane	8.24	62	78809	18.804	ug/l	97
43) Isopropyl Acetate	8.28	43	107109	19.054	ug/l	98
44) Trichloroethene	8.94	130	79352	20.367	ug/l	99
45) 1,2-Dichloropropane	9.22	63	77755	21.379	ug/l	100
46) Dibromomethane	9.31	93	39684	19.840	ug/l	96
47) Bromodichloromethane	9.50	83	96075	20.243	ug/l	96
48) Methyl methacrylate	9.30	41	48162	19.609	ug/l	93
49) 1,4-Dioxane	9.30	88	10785	400.643	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	271856	90.960	ug/l	96
52) Toluene	10.24	92	193910	20.756	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	103842	20.477	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	123256	21.217	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	58084	20.077	ug/l	97
56) Ethyl methacrylate	10.51	69	80020	19.515	ug/l	96
57) 1,3-Dichloropropane	10.79	76	100252	19.799	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	189533	102.245	ug/l	98
59) 2-Hexanone	10.83	43	189490	87.019	ug/l	95
60) Dibromochloromethane	10.98	129	62829	18.960	ug/l	98
61) 1,2-Dibromoethane	11.08	107	54764	19.688	ug/l	99
64) Tetrachloroethene	10.72	164	84551	21.930	ug/l	98
65) Chlorobenzene	11.52	112	200865	21.248	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	68957	21.033	ug/l	98
67) Ethyl Benzene	11.59	91	371643	21.361	ug/l	97
68) m/p-Xylenes	11.70	106	277526	41.214	ug/l	94
69) o-Xylene	12.03	106	132443	20.928	ug/l	99
70) Styrene	12.04	104	222161	20.500	ug/l	99
71) Bromoform	12.20	173	36934	19.586	ug/l #	95
73) Isopropylbenzene	12.33	105	356501	21.856	ug/l	99
74) N-amyl acetate	12.14	43	90247	19.319	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	64232	19.888	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	54015m	21.495	ug/l	
77) Bromobenzene	12.61	156	78021	21.093	ug/l	96
78) n-propylbenzene	12.67	91	436653	22.187	ug/l	99
79) 2-Chlorotoluene	12.75	91	239344	21.906	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	298888	22.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24296	21.678	ug/l	94
82) 4-Chlorotoluene	12.85	91	253897	22.418	ug/l	97
83) tert-Butylbenzene	13.07	119	246861	21.283	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	299576	22.149	ug/l	100
85) sec-Butylbenzene	13.25	105	365169	22.097	ug/l	99
86) p-Isopropyltoluene	13.36	119	321969	21.860	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	151823	20.956	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	150597	20.802	ug/l	98
89) n-Butylbenzene	13.69	91	325321	22.395	ug/l	99
90) Hexachloroethane	13.95	117	56765	20.848	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	140621	21.392	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	10673	18.673	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	92786	20.731	ug/l	100
94) Hexachlorobutadiene	15.11	225	47648	20.652	ug/l	98
95) Naphthalene	15.23	128	205598	20.692	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	83069	20.687	ug/l	97

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

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