

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001126.D
 Acq On : 30 Dec 2019 16:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/31/2019 12:08:49 PM

Quant Time: Dec 31 06:42:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	334944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	542627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	481657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	229764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	138493	41.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.84%	
35) Dibromofluoromethane	7.72	113	144075	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
50) Toluene-d8	10.18	98	600734	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.48	95	209605	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	91993	31.519	ug/l	99
3) Chloromethane	2.12	50	73095	18.401	ug/l	95
4) Vinyl Chloride	2.26	62	81987	21.253	ug/l	97
5) Bromomethane	2.65	94	61545	24.257	ug/l	93
6) Chloroethane	2.79	64	51606	21.479	ug/l	97
7) Trichlorofluoromethane	3.13	101	201540	35.620	ug/l	99
8) Diethyl Ether	3.54	74	56909	24.640	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.90	101	109003	29.328	ug/l #	89
10) Methyl Iodide	4.09	142	164050	31.947	ug/l	92
11) Tert butyl alcohol	4.96	59	39349	108.331	ug/l	99
12) 1,1-Dichloroethene	3.88	96	99416	26.420	ug/l	95
13) Acrolein	3.73	56	45554	101.220	ug/l	99
14) Allyl chloride	4.49	41	117306	20.068	ug/l #	81
15) Acrylonitrile	5.17	53	111825	96.877	ug/l	96
16) Acetone	3.95	43	85417	112.238	ug/l	90
17) Carbon Disulfide	4.20	76	230023	18.707	ug/l #	93
18) Methyl Acetate	4.48	43	51427	17.614	ug/l	90
19) Methyl tert-butyl Ether	5.22	73	277316	28.554	ug/l	91
20) Methylene Chloride	4.72	84	115257	25.730	ug/l #	85
21) trans-1,2-Dichloroethene	5.22	96	115659	27.735	ug/l #	94
22) Diisopropyl ether	6.13	45	271089	22.944	ug/l #	91
23) Vinyl Acetate	6.07	43	816073	109.365	ug/l #	91
24) 1,1-Dichloroethane	6.03	63	182048	26.073	ug/l	97
25) 2-Butanone	6.99	43	133399	99.779	ug/l #	89
26) 2,2-Dichloropropane	6.99	77	194994	33.991	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	145568	31.773	ug/l	92
28) Bromochloromethane	7.34	49	70238	25.782	ug/l #	57
29) Tetrahydrofuran	7.35	42	90352	95.007	ug/l #	81
30) Chloroform	7.52	83	251183	38.044	ug/l	98
31) Cyclohexane	7.79	56	196526	26.767	ug/l #	80
32) 1,1,1-Trichloroethane	7.71	97	258024	45.813	ug/l	96
36) 1,1-Dichloropropene	7.93	75	205748	39.746	ug/l	94
37) Ethyl Acetate	7.08	43	63789	22.254	ug/l #	97
38) Carbon Tetrachloride	7.91	117	238919	52.678	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	264485	38.474	ug/l	91
40) Benzene	8.16	78	638430	40.880	ug/l	99
41) Methacrylonitrile	7.33	41	39714m	31.958	ug/l	
42) 1,2-Dichloroethane	8.24	62	167060	44.743	ug/l	99
43) Isopropyl Acetate	8.28	43	161541	30.444	ug/l #	92
44) Trichloroethene	8.94	130	195674	47.554	ug/l	94
45) 1,2-Dichloropropane	9.22	63	147384	37.619	ug/l	98
46) Dibromomethane	9.31	93	87681	43.415	ug/l	90
47) Bromodichloromethane	9.50	83	216276	46.232	ug/l	98
48) Methyl methacrylate	9.29	41	71454	31.557	ug/l	84
49) 1,4-Dioxane	9.30	88	23025	779.366	ug/l #	86
51) 4-Methyl-2-Pentanone	10.07	43	401338	145.118	ug/l	94
52) Toluene	10.24	92	426792	44.401	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	222110	43.748	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	253903	41.590	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	132473	43.938	ug/l	88
56) Ethyl methacrylate	10.51	69	165971	38.678	ug/l	93
57) 1,3-Dichloropropane	10.79	76	220762	41.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	279701	168.761	ug/l	90
59) 2-Hexanone	10.83	43	290915	152.022	ug/l	95
60) Dibromochloromethane	10.99	129	166195	51.604	ug/l	99
61) 1,2-Dibromoethane	11.09	107	130664	45.320	ug/l	99
64) Tetrachloroethene	10.72	164	207014	49.674	ug/l	98
65) Chlorobenzene	11.52	112	478967	47.940	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	176754	53.609	ug/l	98
67) Ethyl Benzene	11.59	91	858082	47.749	ug/l	99
68) m/p-Xylenes	11.70	106	694281	101.750	ug/l	99
69) o-Xylene	12.03	106	337585	52.590	ug/l	100
70) Styrene	12.04	104	552301	50.600	ug/l	100
71) Bromoform	12.20	173	96879	52.770	ug/l #	98
73) Isopropylbenzene	12.33	105	850629	47.841	ug/l	98
74) N-amyl acetate	12.14	43	157353	33.687	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	135923	38.805	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	99016m	34.957	ug/l	
77) Bromobenzene	12.61	156	200355	50.103	ug/l	87
78) n-propylbenzene	12.67	91	1003781	46.332	ug/l	97
79) 2-Chlorotoluene	12.75	91	572417	47.843	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	775089	53.182	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	52722	39.697	ug/l	98
82) 4-Chlorotoluene	12.85	91	574470	46.227	ug/l	97
83) tert-Butylbenzene	13.07	119	615346	50.297	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	897145	61.257	ug/l	100
85) sec-Butylbenzene	13.25	105	866288	48.031	ug/l	98
86) p-Isopropyltoluene	13.37	119	783580	50.209	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	383947	49.992	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	382186	49.330	ug/l	99
89) n-Butylbenzene	13.69	91	747264	47.591	ug/l	96
90) Hexachloroethane	13.96	117	146694	49.891	ug/l	91
91) 1,2-Dichlorobenzene	13.73	146	344020	48.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	23526	40.145	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	231012	48.310	ug/l	97
94) Hexachlorobutadiene	15.11	225	119329	52.440	ug/l	99
95) Naphthalene	15.23	128	512684	45.589	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	200484	47.013	ug/l	97

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

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