

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002207.D
 Acq On : 02 Apr 2020 20:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 11:28:18 AM

Quant Time: Apr 03 07:29:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	136775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	261509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	236451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	106906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	78204	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.74	113	73918	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.19	98	299817	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.49	95	106084	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	39331	43.812	ug/l	98
3) Chloromethane	2.13	50	67804	42.420	ug/l	100
4) Vinyl Chloride	2.26	62	71147	43.766	ug/l	100
5) Bromomethane	2.66	94	53047	50.002	ug/l	96
6) Chloroethane	2.81	64	49266	47.197	ug/l	99
7) Trichlorofluoromethane	3.15	101	100484	45.107	ug/l	100
8) Diethyl Ether	3.54	74	47188	50.011	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	66999	45.840	ug/l	99
10) Methyl Iodide	4.11	142	76900	44.248	ug/l	100
11) Tert butyl alcohol	4.97	59	45868	257.423	ug/l	98
12) 1,1-Dichloroethene	3.89	96	68884	46.414	ug/l	94
13) Acrolein	3.75	56	49125	220.589	ug/l	98
14) Allyl chloride	4.50	41	129026	47.490	ug/l	99
15) Acrylonitrile	5.19	53	132040	266.992	ug/l	100
16) Acetone	3.97	43	91706	215.882	ug/l	95
17) Carbon Disulfide	4.21	76	220385	44.746	ug/l	99
18) Methyl Acetate	4.50	43	56559	51.274	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	213453	51.556	ug/l	99
20) Methylene Chloride	4.74	84	88430	50.312	ug/l	99
21) trans-1,2-Dichloroethene	5.24	96	81175	48.038	ug/l	97
22) Diisopropyl ether	6.14	45	279787	50.320	ug/l	98
23) Vinyl Acetate	6.08	43	939868	257.781	ug/l	97
24) 1,1-Dichloroethane	6.04	63	145824	49.327	ug/l	98
25) 2-Butanone	7.00	43	163204	250.206	ug/l	99
26) 2,2-Dichloropropane	7.00	77	110282	45.295	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	92636	49.830	ug/l	98
28) Bromochloromethane	7.35	49	73711	54.615	ug/l	100
29) Tetrahydrofuran	7.36	42	111398	260.484	ug/l	98
30) Chloroform	7.52	83	139722	49.862	ug/l	97
31) Cyclohexane	7.80	56	139295	44.219	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	113450	48.491	ug/l	99
36) 1,1-Dichloropropene	7.93	75	111905	45.241	ug/l	99
37) Ethyl Acetate	7.09	43	73096	48.902	ug/l	99
38) Carbon Tetrachloride	7.91	117	94605	45.081	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	146122	45.037	ug/l	99
40) Benzene	8.17	78	346268	47.260	ug/l	99
41) Methacrylonitrile	7.33	41	32881m	43.489	ug/l	
42) 1,2-Dichloroethane	8.25	62	93051	47.836	ug/l	99
43) Isopropyl Acetate	8.28	43	139457	50.267	ug/l	99
44) Trichloroethene	8.95	130	82692	46.820	ug/l	91
45) 1,2-Dichloropropane	9.23	63	91931	49.278	ug/l	98
46) Dibromomethane	9.31	93	47808	49.900	ug/l	99
47) Bromodichloromethane	9.51	83	110026	49.331	ug/l	96
48) Methyl methacrylate	9.30	41	61509	49.474	ug/l	96
49) 1,4-Dioxane	9.31	88	13103	996.636	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	374341	262.042	ug/l	99
52) Toluene	10.25	92	210979	47.609	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	120589	48.712	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	143163	49.119	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	69760	49.196	ug/l	99
56) Ethyl methacrylate	10.52	69	108741	52.504	ug/l	97
57) 1,3-Dichloropropane	10.80	76	124750	49.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	293335	275.635	ug/l	100
59) 2-Hexanone	10.84	43	251493	249.919	ug/l	98
60) Dibromochloromethane	10.99	129	74443	50.170	ug/l	99
61) 1,2-Dibromoethane	11.10	107	67763	51.056	ug/l	97
64) Tetrachloroethene	10.73	164	69723	48.196	ug/l	97
65) Chlorobenzene	11.52	112	220049	48.212	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	74334	48.680	ug/l	100
67) Ethyl Benzene	11.60	91	406395	47.941	ug/l	99
68) m/p-Xylenes	11.71	106	299360	95.512	ug/l	99
69) o-Xylene	12.03	106	142880	48.056	ug/l	100
70) Styrene	12.05	104	254277	49.355	ug/l	100
71) Bromoform	12.22	173	42643	50.988	ug/l #	97
73) Isopropylbenzene	12.34	105	382982	48.293	ug/l	100
74) N-amyl acetate	12.15	43	123949	49.556	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	87342	51.182	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	66471m	55.585	ug/l	
77) Bromobenzene	12.62	156	87900	51.923	ug/l	94
78) n-propylbenzene	12.68	91	465377	47.288	ug/l	100
79) 2-Chlorotoluene	12.77	91	258304	47.803	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	312133	47.706	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	31495	51.024	ug/l	100
82) 4-Chlorotoluene	12.86	91	270936	47.583	ug/l	99
83) tert-Butylbenzene	13.08	119	263982	48.336	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	314911	48.240	ug/l	100
85) sec-Butylbenzene	13.26	105	385551	47.663	ug/l	100
86) p-Isopropyltoluene	13.38	119	331464	47.716	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	158903	47.981	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	159049	47.725	ug/l	99
89) n-Butylbenzene	13.70	91	330729	45.695	ug/l	100
90) Hexachloroethane	13.97	117	64722	49.445	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	147365	48.184	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	13646	49.921	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	91270	46.300	ug/l	99
94) Hexachlorobutadiene	15.12	225	44041	45.260	ug/l	99
95) Naphthalene	15.25	128	233432	49.856	ug/l	98
96) 1,2,3-Trichlorobenzene	15.44	180	82488	46.144	ug/l	99

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

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