

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000419.D
 Acq On : 25 Oct 2019 10:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 10/28/2019 12:38:28 PM

Quant Time: Oct 26 02:01:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	222478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	365382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	330924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	169246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	113572	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.72	113	106619	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	10.18	98	416911	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.48	95	152244	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	75470	42.273	ug/l	99
3) Chloromethane	2.12	50	153235	56.365	ug/l	97
4) Vinyl Chloride	2.26	62	125487	45.737	ug/l	98
5) Bromomethane	2.65	94	103550	50.925	ug/l	94
6) Chloroethane	2.80	64	84092	47.502	ug/l	96
7) Trichlorofluoromethane	3.13	101	189118	50.391	ug/l	99
8) Diethyl Ether	3.54	74	68905	51.971	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	115868	50.907	ug/l	99
10) Methyl Iodide	4.10	142	148494	45.904	ug/l	100
11) Tert butyl alcohol	4.97	59	75894	309.022	ug/l #	82
12) 1,1-Dichloroethene	3.88	96	111083	49.437	ug/l	95
13) Acrolein	3.73	56	77307	268.489	ug/l	100
14) Allyl chloride	4.49	41	191015	51.298	ug/l	99
15) Acrylonitrile	5.18	53	198670	267.715	ug/l	98
16) Acetone	3.96	43	224620	295.556	ug/l	99
17) Carbon Disulfide	4.20	76	306218	43.284	ug/l	97
18) Methyl Acetate	4.49	43	98292	52.054	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	342666	54.782	ug/l	100
20) Methylene Chloride	4.72	84	131325	51.442	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	127228	49.352	ug/l	93
22) Diisopropyl ether	6.13	45	437051	55.495	ug/l	97
23) Vinyl Acetate	6.07	43	1403220	273.111	ug/l	100
24) 1,1-Dichloroethane	6.03	63	225636	52.488	ug/l	97
25) 2-Butanone	7.00	43	310587	290.109	ug/l	100
26) 2,2-Dichloropropane	6.99	77	212580	53.666	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	148481	53.228	ug/l	100
28) Bromochloromethane	7.34	49	99151	53.729	ug/l	100
29) Tetrahydrofuran	7.35	42	174131	268.382	ug/l	98
30) Chloroform	7.52	83	235982	54.510	ug/l	98
31) Cyclohexane	7.79	56	214386	47.749	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	210429	54.674	ug/l	95
36) 1,1-Dichloropropene	7.93	75	180743	50.525	ug/l	99
37) Ethyl Acetate	7.08	43	112269	53.002	ug/l #	95
38) Carbon Tetrachloride	7.91	117	182453	52.676	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	230939	49.325	ug/l	96
40) Benzene	8.17	78	538133	52.054	ug/l	99
41) Methacrylonitrile	7.33	41	53865m	53.423	ug/l	
42) 1,2-Dichloroethane	8.25	62	159201	53.911	ug/l	99
43) Isopropyl Acetate	8.28	43	219376	54.468	ug/l	100
44) Trichloroethene	8.94	130	142997	49.297	ug/l	97 MMDadoda
45) 1,2-Dichloropropane	9.22	63	137790	54.312	ug/l	93
46) Dibromomethane	9.31	93	76657	54.052	ug/l	96
47) Bromodichloromethane	9.50	83	182787	54.688	ug/l	98
48) Methyl methacrylate	9.30	41	96666	54.765	ug/l	97
49) 1,4-Dioxane	9.31	88	21666	1018.879	ug/l	98 10/28/2019 12:38:28 PM
51) 4-Methyl-2-Pentanone	10.07	43	593290	285.603	ug/l	99
52) Toluene	10.25	92	349583	53.261	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	196541	54.869	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	226206	55.608	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	113283	54.937	ug/l	96
56) Ethyl methacrylate	10.51	69	166315	56.586	ug/l	98
57) 1,3-Dichloropropane	10.79	76	196641	55.527	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	391964	334.343	ug/l	99
59) 2-Hexanone	10.83	43	464031	318.243	ug/l	99
60) Dibromochloromethane	10.99	129	132593	58.014	ug/l	98
61) 1,2-Dibromoethane	11.09	107	107843	54.468	ug/l	100
64) Tetrachloroethene	10.72	164	146827	46.605	ug/l	97
65) Chlorobenzene	11.52	112	370868	53.103	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	135763	55.338	ug/l	100
67) Ethyl Benzene	11.60	91	687530	53.105	ug/l	100
68) m/p-Xylenes	11.71	106	519206	104.905	ug/l	98
69) o-Xylene	12.03	106	251843	53.340	ug/l	98
70) Styrene	12.05	104	434650	54.585	ug/l	99
71) Bromoform	12.21	173	79548	56.404	ug/l #	99
73) Isopropylbenzene	12.33	105	681519	51.643	ug/l	99
74) N-amyl acetate	12.14	43	208454	64.342	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	141577	57.139	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	107634m	51.719	ug/l	
77) Bromobenzene	12.61	156	154980	52.776	ug/l	97
78) n-propylbenzene	12.67	91	828709	52.302	ug/l	100
79) 2-Chlorotoluene	12.76	91	458058	52.347	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	573212	51.800	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	50798	53.405	ug/l	99
82) 4-Chlorotoluene	12.86	91	479771	51.869	ug/l	100
83) tert-Butylbenzene	13.08	119	489872	52.276	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	578929	53.008	ug/l	100
85) sec-Butylbenzene	13.25	105	706024	52.081	ug/l	100
86) p-Isopropyltoluene	13.37	119	629907	53.298	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	303378	52.435	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	309700	53.553	ug/l	97
89) n-Butylbenzene	13.70	91	624414	53.464	ug/l	100
90) Hexachloroethane	13.96	117	117703	53.783	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	283376	54.120	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24491	52.117	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	192876	52.907	ug/l	99
94) Hexachlorobutadiene	15.11	225	99210	50.287	ug/l	100
95) Naphthalene	15.23	128	437900	53.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	170680	51.948	ug/l	98

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

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