

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000402.D
 Acq On : 24 Oct 2019 12:00
 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

MMDadoda
 10/25/2019 4:46:23 PM

Quant Time: Oct 25 06:50:04 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	229013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	370058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	338955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	173479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	125266	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.72	113	118876	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.18	98	472311	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
62) 4-Bromofluorobenzene	12.48	95	174799	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	79187	43.182	ug/l	99
3) Chloromethane	2.12	50	160550	57.371	ug/l	96
4) Vinyl Chloride	2.26	62	127688	45.211	ug/l	100
5) Bromomethane	2.65	94	103070	49.243	ug/l	96
6) Chloroethane	2.79	64	84616	46.434	ug/l	92
7) Trichlorofluoromethane	3.13	101	187961	48.653	ug/l	98
8) Diethyl Ether	3.53	74	75263	55.146	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	116050	49.532	ug/l	99
10) Methyl Iodide	4.10	142	143308	43.111	ug/l	100
11) Tert butyl alcohol	4.96	59	80178	317.150	ug/l	95
12) 1,1-Dichloroethene	3.88	96	113549	49.092	ug/l	97
13) Acrolein	3.74	56	72870	245.858	ug/l	96
14) Allyl chloride	4.49	41	193763	50.551	ug/l	99
15) Acrylonitrile	5.18	53	185257	242.517	ug/l	96
16) Acetone	3.96	43	213950	273.483	ug/l	98
17) Carbon Disulfide	4.20	76	315341	43.301	ug/l	98
18) Methyl Acetate	4.48	43	92797	47.741	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	337207	52.371	ug/l	100
20) Methylene Chloride	4.72	84	154196	59.536	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	129467	48.788	ug/l	96
22) Diisopropyl ether	6.13	45	437622	53.981	ug/l	97
23) Vinyl Acetate	6.07	43	1390031	262.824	ug/l	99
24) 1,1-Dichloroethane	6.02	63	228088	51.545	ug/l	98
25) 2-Butanone	6.99	43	293963	266.746	ug/l	99
26) 2,2-Dichloropropane	6.99	77	215122	52.758	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	149581	52.092	ug/l	99
28) Bromochloromethane	7.35	49	98899	52.063	ug/l	98
29) Tetrahydrofuran	7.35	42	167769	251.198	ug/l	98
30) Chloroform	7.52	83	231617	51.975	ug/l	100
31) Cyclohexane	7.79	56	219382	47.467	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	208152	52.539	ug/l	96
36) 1,1-Dichloropropene	7.93	75	183331	50.601	ug/l	98
37) Ethyl Acetate	7.08	43	109304	50.950	ug/l	97
38) Carbon Tetrachloride	7.91	117	182977	52.160	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	236758	49.928	ug/l	97
40) Benzene	8.17	78	543176	51.878	ug/l	99
41) Methacrylonitrile	7.32	41	54181m	53.058	ug/l	
42) 1,2-Dichloroethane	8.25	62	157408	52.630	ug/l	99
43) Isopropyl Acetate	8.28	43	212383	52.066	ug/l	99
44) Trichloroethene	8.95	130	148496	50.546	ug/l	95
45) 1,2-Dichloropropane	9.22	63	134711	52.428	ug/l	94
46) Dibromomethane	9.31	93	73816	51.391	ug/l	97
47) Bromodichloromethane	9.50	83	183295	54.147	ug/l	98
48) Methyl methacrylate	9.30	41	95544	53.446	ug/l	98
49) 1,4-Dioxane	9.30	88	21649	1005.215	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	575027	273.314	ug/l	99
52) Toluene	10.25	92	351875	52.933	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	203160	56.000	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	226376	54.947	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	112005	53.631	ug/l	99
56) Ethyl methacrylate	10.51	69	161992	54.419	ug/l	98
57) 1,3-Dichloropropane	10.79	76	196252	54.717	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	314290	264.700	ug/l	99
59) 2-Hexanone	10.83	43	442662	299.752	ug/l	98
60) Dibromochloromethane	10.99	129	128215	55.390	ug/l	99
61) 1,2-Dibromoethane	11.09	107	105608	52.666	ug/l	100
64) Tetrachloroethene	10.72	164	152277	47.190	ug/l	97
65) Chlorobenzene	11.52	112	372182	52.028	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	135317	53.850	ug/l	99
67) Ethyl Benzene	11.60	91	695174	52.423	ug/l	99
68) m/p-Xylenes	11.70	106	528266	104.206	ug/l	99
69) o-Xylene	12.03	106	250193	51.735	ug/l	100
70) Styrene	12.05	104	433351	53.133	ug/l	100
71) Bromoform	12.21	173	79350	54.931	ug/l	98
73) Isopropylbenzene	12.33	105	683521	50.531	ug/l	100
74) N-amyl acetate	12.14	43	200909	60.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	137315	54.067	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	102920m	48.247	ug/l	
77) Bromobenzene	12.61	156	153205	50.898	ug/l	96
78) n-propylbenzene	12.67	91	838003	51.598	ug/l	99
79) 2-Chlorotoluene	12.75	91	460271	51.317	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	573012	50.519	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	51385	52.704	ug/l	99
82) 4-Chlorotoluene	12.86	91	486522	51.316	ug/l	100
83) tert-Butylbenzene	13.08	119	488152	50.821	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	583167	52.093	ug/l	99
85) sec-Butylbenzene	13.25	105	717734	51.653	ug/l	100
86) p-Isopropyltoluene	13.37	119	633159	52.266	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	304754	51.387	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	307794	51.925	ug/l	97
89) n-Butylbenzene	13.70	91	631663	52.765	ug/l	99
90) Hexachloroethane	13.96	117	119864	53.434	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	283029	52.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	22333	46.365	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	190863	51.077	ug/l	99
94) Hexachlorobutadiene	15.11	225	99920	49.411	ug/l	99
95) Naphthalene	15.23	128	418720	50.212	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	170357	50.585	ug/l	99

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

