

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY001004.D
 Acq On : 18 Dec 2019 18:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:11:00 AM

Quant Time: Dec 19 07:07:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	260762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	463449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	416467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	196760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	133926	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	7.72	113	133502	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.18	98	533922	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.47	95	185621	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	105389	37.545	ug/l	97
3) Chloromethane	2.12	50	141953	41.025	ug/l	98
4) Vinyl Chloride	2.25	62	146792	43.046	ug/l	97
5) Bromomethane	2.65	94	94697	45.666	ug/l	99
6) Chloroethane	2.79	64	97348	46.560	ug/l	97
7) Trichlorofluoromethane	3.13	101	213548	45.694	ug/l	91
8) Diethyl Ether	3.53	74	91381	51.951	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	140643	48.732	ug/l	98
10) Methyl Iodide	4.10	142	178159	49.030	ug/l	98
11) Tert butyl alcohol	4.97	59	78240	280.666	ug/l	99
12) 1,1-Dichloroethene	3.88	96	139179	48.679	ug/l	99
13) Acrolein	3.74	56	67957	247.474	ug/l	99
14) Allyl chloride	4.48	41	241033	49.166	ug/l	97
15) Acrylonitrile	5.18	53	256286	282.165	ug/l	97
16) Acetone	3.96	43	166500	261.948	ug/l	98
17) Carbon Disulfide	4.19	76	396707	42.901	ug/l	97
18) Methyl Acetate	4.48	43	149673	56.316	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	406766	53.272	ug/l	99
20) Methylene Chloride	4.72	84	175423	52.357	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	160182	49.291	ug/l	99
22) Diisopropyl ether	6.13	45	526231	52.226	ug/l	99
23) Vinyl Acetate	6.07	43	1612780	263.288	ug/l	100
24) 1,1-Dichloroethane	6.03	63	283538	51.056	ug/l	98
25) 2-Butanone	7.00	43	307095	261.544	ug/l	100
26) 2,2-Dichloropropane	6.99	77	221855	47.465	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	187820	53.468	ug/l	95
28) Bromochloromethane	7.35	49	119791	58.475	ug/l	97
29) Tetrahydrofuran	7.35	42	217210	279.168	ug/l	99
30) Chloroform	7.52	83	277000	49.721	ug/l	97
31) Cyclohexane	7.79	56	268236	45.595	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	226501	49.236	ug/l	100
36) 1,1-Dichloropropene	7.93	75	219758	47.690	ug/l	99
37) Ethyl Acetate	7.08	43	134702	50.625	ug/l	99
38) Carbon Tetrachloride	7.91	117	194245	47.333	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	287082	47.023	ug/l	98
40) Benzene	8.17	78	674977	50.287	ug/l	98
41) Methacrylonitrile	7.33	41	81745m	58.291	ug/l	
42) 1,2-Dichloroethane	8.25	62	173266	49.084	ug/l	100
43) Isopropyl Acetate	8.28	43	254923	50.841	ug/l	98
44) Trichloroethene	8.94	130	174955	50.718	ug/l	96
45) 1,2-Dichloropropane	9.22	63	176567	52.370	ug/l	97
46) Dibromomethane	9.31	93	90696	51.485	ug/l	99
47) Bromodichloromethane	9.50	83	214542	51.844	ug/l	99
48) Methyl methacrylate	9.30	41	113621	51.531	ug/l	94
49) 1,4-Dioxane	9.30	88	26487	1061.165	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	696445	268.826	ug/l	99
52) Toluene	10.24	92	417952	50.291	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	232029	52.188	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	271534	51.670	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	141392	54.327	ug/l	99
56) Ethyl methacrylate	10.51	69	203828	54.746	ug/l	99
57) 1,3-Dichloropropane	10.79	76	242852	53.538	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	383124	255.209	ug/l	100
59) 2-Hexanone	10.83	43	479829	254.176	ug/l	98
60) Dibromochloromethane	10.99	129	148014	52.829	ug/l	100
61) 1,2-Dibromoethane	11.09	107	129823	52.928	ug/l	99
64) Tetrachloroethene	10.72	164	183699	50.768	ug/l	97
65) Chlorobenzene	11.51	112	438628	50.668	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	152678	52.334	ug/l	99
67) Ethyl Benzene	11.59	91	798646	49.536	ug/l	97
68) m/p-Xylenes	11.70	106	607007	100.307	ug/l	97
69) o-Xylene	12.02	106	291140	51.599	ug/l	96
70) Styrene	12.04	104	499702	51.722	ug/l	98
71) Bromoform	12.20	173	87529	53.196	ug/l #	97
73) Isopropylbenzene	12.33	105	761432	48.603	ug/l	100
74) N-amyl acetate	12.14	43	213519	48.966	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	158933	51.487	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	128311m	57.557	ug/l	
77) Bromobenzene	12.60	156	170909	50.328	ug/l	99
78) n-propylbenzene	12.67	91	932296	48.737	ug/l	100
79) 2-Chlorotoluene	12.75	91	509802	48.241	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	626644	48.309	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	58903	51.901	ug/l	96
82) 4-Chlorotoluene	12.85	91	532397	48.899	ug/l	99
83) tert-Butylbenzene	13.07	119	531381	48.725	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	629069	48.473	ug/l	99
85) sec-Butylbenzene	13.25	105	772277	48.691	ug/l	100
86) p-Isopropyltoluene	13.36	119	666746	48.331	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	330399	49.596	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	325158	49.295	ug/l	99
89) n-Butylbenzene	13.69	91	679630	48.727	ug/l	99
90) Hexachloroethane	13.95	117	126120	49.629	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	304092	50.747	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	25353	49.058	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	199654	49.239	ug/l	99
94) Hexachlorobutadiene	15.11	225	95653	47.580	ug/l	98
95) Naphthalene	15.23	128	473031	50.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	176670	48.779	ug/l	98

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

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