

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122619\
 Data File : VY001086.D
 Acq On : 26 Dec 2019 20:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/27/2019 11:05:08 AM

Quant Time: Dec 27 06:42:50 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	288595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	519642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	467043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	208911	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	140924	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.73	113	144694	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
50) Toluene-d8	10.18	98	590439	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.48	95	191660	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	95793	38.092	ug/l	99
3) Chloromethane	2.12	50	125713	36.730	ug/l	98
4) Vinyl Chloride	2.26	62	126188	37.965	ug/l	98
5) Bromomethane	2.65	94	86560	40.669	ug/l	94
6) Chloroethane	2.80	64	86476	41.772	ug/l	95
7) Trichlorofluoromethane	3.13	101	196450	40.296	ug/l	99
8) Diethyl Ether	3.54	74	97439	48.964	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	137601	42.968	ug/l	97
10) Methyl Iodide	4.10	142	187884	42.464	ug/l	100
11) Tert butyl alcohol	4.97	59	76975	245.954	ug/l #	86
12) 1,1-Dichloroethene	3.88	96	138008	42.567	ug/l	99
13) Acrolein	3.74	56	87864	226.586	ug/l	100
14) Allyl chloride	4.49	41	221969	44.071	ug/l	99
15) Acrylonitrile	5.18	53	259996	261.417	ug/l	99
16) Acetone	3.96	43	168144	256.426	ug/l	100
17) Carbon Disulfide	4.20	76	364169	34.374	ug/l	98
18) Methyl Acetate	4.49	43	124892	49.645	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	421933	50.422	ug/l	96
20) Methylene Chloride	4.72	84	183256	47.481	ug/l	91
21) trans-1,2-Dichloroethene	5.23	96	161522	44.953	ug/l	96
22) Diisopropyl ether	6.13	45	500925	49.205	ug/l	97
23) Vinyl Acetate	6.08	43	1555629	241.957	ug/l	100
24) 1,1-Dichloroethane	6.03	63	286630	47.644	ug/l	99
25) 2-Butanone	7.00	43	294160	255.361	ug/l	97
26) 2,2-Dichloropropane	7.00	77	208420	42.167	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	192812	48.844	ug/l	97
28) Bromochloromethane	7.35	49	123757	52.722	ug/l	97
29) Tetrahydrofuran	7.36	42	199886	243.941	ug/l	98
30) Chloroform	7.52	83	284903	50.082	ug/l	99
31) Cyclohexane	7.80	56	237499	37.542	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	218708	45.069	ug/l	98
36) 1,1-Dichloropropene	7.93	75	210703	42.503	ug/l	99
37) Ethyl Acetate	7.09	43	130585	47.573	ug/l	98
38) Carbon Tetrachloride	7.91	117	188169	43.323	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	264976	40.251	ug/l	99
40) Benzene	8.17	78	686871	45.927	ug/l	99
41) Methacrylonitrile	7.33	41	51122m	42.957	ug/l	
42) 1,2-Dichloroethane	8.25	62	171139	47.863	ug/l	100
43) Isopropyl Acetate	8.28	43	245845	48.382	ug/l	98
44) Trichloroethene	8.95	130	181809	46.138	ug/l	98
45) 1,2-Dichloropropane	9.22	63	181141	48.280	ug/l	99
46) Dibromomethane	9.32	93	93623	48.408	ug/l	97
47) Bromodichloromethane	9.50	83	218692	48.816	ug/l	99
48) Methyl methacrylate	9.30	41	101745	46.922	ug/l	92
49) 1,4-Dioxane	9.31	88	26942	952.289	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	646156	243.975	ug/l	98
52) Toluene	10.24	92	428891	46.593	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	233873	48.102	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	281856	48.210	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	145145	50.270	ug/l	96
56) Ethyl methacrylate	10.51	69	207896	50.591	ug/l	96
57) 1,3-Dichloropropane	10.79	76	249206	49.241	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	392691	247.416	ug/l	99
59) 2-Hexanone	10.83	43	435149	237.452	ug/l	97
60) Dibromochloromethane	10.99	129	156515	50.748	ug/l	99
61) 1,2-Dibromoethane	11.09	107	136086	49.288	ug/l	99
64) Tetrachloroethene	10.72	164	191581	47.409	ug/l	97
65) Chlorobenzene	11.52	112	458687	47.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	159053	49.750	ug/l	98
67) Ethyl Benzene	11.59	91	806591	46.288	ug/l	96
68) m/p-Xylenes	11.70	106	616772	93.219	ug/l	98
69) o-Xylene	12.03	106	293268	47.115	ug/l	99
70) Styrene	12.04	104	517358	48.882	ug/l	98
71) Bromoform	12.20	173	89774	50.430	ug/l #	99
73) Isopropylbenzene	12.33	105	756236	46.778	ug/l	99
74) N-amyl acetate	12.14	43	197899	46.596	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	161036	50.564	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	109674m	42.584	ug/l	
77) Bromobenzene	12.61	156	177544	48.831	ug/l	98
78) n-propylbenzene	12.67	91	912243	46.309	ug/l	100
79) 2-Chlorotoluene	12.75	91	505035	46.424	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	617865	46.626	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59612	49.366	ug/l	94
82) 4-Chlorotoluene	12.85	91	518979	45.930	ug/l	98
83) tert-Butylbenzene	13.07	119	532344	47.856	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	614807	46.169	ug/l	99
85) sec-Butylbenzene	13.25	105	758919	46.278	ug/l	99
86) p-Isopropyltoluene	13.36	119	648814	45.724	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	332076	47.554	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	333041	47.277	ug/l	99
89) n-Butylbenzene	13.69	91	632323	44.291	ug/l	99
90) Hexachloroethane	13.95	117	126399	47.280	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	303032	47.043	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	24611	46.188	ug/l	98

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93) 1,2,4-Trichlorobenzene	15.00	180	193266	44.450	ug/l	99
94) Hexachlorobutadiene	15.11	225	89274	43.148	ug/l	99
95) Naphthalene	15.23	128	473960	46.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	174778	45.076	ug/l	99

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

