

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000811.D
 Acq On : 27 Nov 2019 11:38
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:26 AM

Quant Time: Nov 27 12:13:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:00:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	332501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	581584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	521790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	246313	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	174718	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.73	113	165171	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.18	98	692746	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.48	95	241979	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	179547	54.363	ug/l	100
3) Chloromethane	2.12	50	222703	49.536	ug/l	100
4) Vinyl Chloride	2.26	62	220403	52.287	ug/l	100
5) Bromomethane	2.65	94	132898	52.035	ug/l	100
6) Chloroethane	2.79	64	139393	52.546	ug/l	100
7) Trichlorofluoromethane	3.13	101	302915	52.875	ug/l	100
8) Diethyl Ether	3.54	74	116339	56.441	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	187901	53.895	ug/l	100
10) Methyl Iodide	4.10	142	244468	59.211	ug/l	100
11) Tert butyl alcohol	4.97	59	96648	277.574	ug/l	100
12) 1,1-Dichloroethene	3.88	96	184522	54.928	ug/l	100
13) Acrolein	3.74	56	86094	285.938	ug/l	100
14) Allyl chloride	4.49	41	330052	59.044	ug/l	100
15) Acrylonitrile	5.18	53	308427	289.593	ug/l	100
16) Acetone	3.96	43	207054	226.611	ug/l	100
17) Carbon Disulfide	4.20	76	608182	56.565	ug/l	100
18) Methyl Acetate	4.49	43	173392	56.538	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	527134	55.736	ug/l	100
20) Methylene Chloride	4.72	84	214177	51.540	ug/l	100
21) trans-1,2-Dichloroethene	5.23	96	212476	55.424	ug/l	100
22) Diisopropyl ether	6.13	45	682751	56.670	ug/l	100
23) Vinyl Acetate	6.07	43	2167931	284.999	ug/l	100
24) 1,1-Dichloroethane	6.04	63	371717	56.777	ug/l	100
25) 2-Butanone	7.00	43	423831	275.899	ug/l	100
26) 2,2-Dichloropropane	7.00	77	304957	51.778	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	233155	55.551	ug/l	100
28) Bromochloromethane	7.35	49	137075	54.408	ug/l	100
29) Tetrahydrofuran	7.36	42	272376	285.323	ug/l	100
30) Chloroform	7.52	83	356538	54.385	ug/l	100
31) Cyclohexane	7.80	56	380103	55.508	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	301217	52.105	ug/l	100
36) 1,1-Dichloropropene	7.93	75	293167	52.555	ug/l	100
37) Ethyl Acetate	7.09	43	178381	53.382	ug/l	100
38) Carbon Tetrachloride	7.91	117	265100	50.105	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	390631	54.207	ug/l	100
40) Benzene	8.17	78	872697	53.319	ug/l	100
41) Methacrylonitrile	7.33	41	89650m	48.698	ug/l	
42) 1,2-Dichloroethane	8.25	62	231996	50.623	ug/l	100
43) Isopropyl Acetate	8.28	43	340981	54.371	ug/l	100
44) Trichloroethene	8.94	130	223121	51.889	ug/l	100
45) 1,2-Dichloropropane	9.22	63	223212	55.034	ug/l	100
46) Dibromomethane	9.31	93	117672	53.171	ug/l	100
47) Bromodichloromethane	9.50	83	276277	52.936	ug/l	100
48) Methyl methacrylate	9.30	41	156478	56.608	ug/l	100
49) 1,4-Dioxane	9.30	88	35440	1168.848	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	895889	270.377	ug/l	100
52) Toluene	10.25	92	547747	53.048	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	305142	54.565	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	349513	54.346	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	172475	53.772	ug/l	100
56) Ethyl methacrylate	10.51	69	262970	57.514	ug/l	100
57) 1,3-Dichloropropane	10.79	76	303870	54.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	470011	237.012	ug/l	100
59) 2-Hexanone	10.83	43	695561	286.700	ug/l	100
60) Dibromochloromethane	10.99	129	190349	52.348	ug/l	100
61) 1,2-Dibromoethane	11.09	107	167418	54.427	ug/l	100
64) Tetrachloroethene	10.72	164	230253	52.767	ug/l	100
65) Chlorobenzene	11.52	112	564290	52.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	193275	52.475	ug/l	100
67) Ethyl Benzene	11.59	91	1049509	53.411	ug/l	100
68) m/p-Xylenes	11.70	106	789211	104.504	ug/l	100
69) o-Xylene	12.03	106	370537	51.953	ug/l	100
70) Styrene	12.04	104	645292	52.951	ug/l	100
71) Bromoform	12.20	173	113779	53.648	ug/l #	100
73) Isopropylbenzene	12.33	105	1003823	54.108	ug/l	100
74) N-amyl acetate	12.14	43	294624	55.428	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	209035	56.243	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	144731m	52.305	ug/l	
77) Bromobenzene	12.61	156	221676	52.845	ug/l	100
78) n-propylbenzene	12.67	91	1231140	54.916	ug/l	100
79) 2-Chlorotoluene	12.75	91	673274	54.117	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	832742	54.060	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	80884	61.845	ug/l	100
82) 4-Chlorotoluene	12.85	91	691217	53.825	ug/l	100
83) tert-Butylbenzene	13.07	119	706198	53.752	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	836335	54.602	ug/l	100
85) sec-Butylbenzene	13.25	105	1015838	54.340	ug/l	100
86) p-Isopropyltoluene	13.37	119	891861	53.606	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	423193	51.856	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	427285	52.348	ug/l	100
89) n-Butylbenzene	13.69	91	900332	54.671	ug/l	100
90) Hexachloroethane	13.96	117	169395	54.878	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	388936	52.486	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	34954	53.660	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	262589	51.811	ug/l	100
94) Hexachlorobutadiene	15.11	225	126989	49.499	ug/l	100
95) Naphthalene	15.23	128	628268	55.281	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	232473	51.523	ug/l	100

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

