

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000489.D
 Acq On : 30 Oct 2019 13:06
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 11:31:42 AM

Quant Time: Oct 31 02:26:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	269340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	454459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	408753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	205084	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	142989	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	7.73	113	128001	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.18	98	530567	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.48	95	191592	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	140162	52.864	ug/l	97
3) Chloromethane	2.11	50	192680	52.754	ug/l	99
4) Vinyl Chloride	2.25	62	179411	52.897	ug/l	99
5) Bromomethane	2.65	94	101686	49.996	ug/l	94
6) Chloroethane	2.79	64	110789	52.191	ug/l	97
7) Trichlorofluoromethane	3.13	101	232740	50.812	ug/l	96
8) Diethyl Ether	3.53	74	82062	50.421	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	137372	49.607	ug/l	98
10) Methyl Iodide	4.09	142	182593	50.088	ug/l	97
11) Tert butyl alcohol	4.97	59	66995	246.915	ug/l	96
12) 1,1-Dichloroethene	3.87	96	137074	50.949	ug/l	93
13) Acrolein	3.74	56	62864	265.988	ug/l	98
14) Allyl chloride	4.49	41	240244	54.916	ug/l	97
15) Acrylonitrile	5.18	53	224378	269.123	ug/l	99
16) Acetone	3.96	43	219085	285.186	ug/l	97
17) Carbon Disulfide	4.19	76	447924	52.786	ug/l	99
18) Methyl Acetate	4.48	43	121090	50.694	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	386059	51.610	ug/l	99
20) Methylene Chloride	4.72	84	156440	47.525	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	156115	51.327	ug/l	98
22) Diisopropyl ether	6.13	45	514156	54.072	ug/l	96
23) Vinyl Acetate	6.07	43	1633601	272.157	ug/l	99
24) 1,1-Dichloroethane	6.02	63	265733	51.586	ug/l	98
25) 2-Butanone	7.00	43	330825	269.836	ug/l	97
26) 2,2-Dichloropropane	6.99	77	238224	50.604	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	170571	51.286	ug/l	98
28) Bromochloromethane	7.35	49	121776	51.684	ug/l	93
29) Tetrahydrofuran	7.36	42	198688	264.905	ug/l	99
30) Chloroform	7.52	83	268930	51.607	ug/l	94
31) Cyclohexane	7.79	56	270861	50.203	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	236472	50.917	ug/l	99
36) 1,1-Dichloropropene	7.92	75	217356	50.592	ug/l	99
37) Ethyl Acetate	7.09	43	131046	51.377	ug/l	97
38) Carbon Tetrachloride	7.91	117	207259	50.136	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	282966	50.981	ug/l	99
40) Benzene	8.17	78	623436	49.496	ug/l	100
41) Methacrylonitrile	7.33	41	74747m	52.530	ug/l	
42) 1,2-Dichloroethane	8.25	62	180346	50.483	ug/l	99
43) Isopropyl Acetate	8.28	43	253074	52.817	ug/l	99
44) Trichloroethene	8.94	130	163423	49.209	ug/l	100
45) 1,2-Dichloropropane	9.22	63	160555	51.792	ug/l	96
46) Dibromomethane	9.31	93	86351	50.649	ug/l	98
47) Bromodichloromethane	9.50	83	209351	51.751	ug/l	99
48) Methyl methacrylate	9.30	41	111618	53.316	ug/l	95
49) 1,4-Dioxane	9.30	88	22474	979.464	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	676724	265.641	ug/l	98
52) Toluene	10.25	92	406343	51.027	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	227480	52.628	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	261691	52.848	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	127810	51.831	ug/l	97
56) Ethyl methacrylate	10.51	69	191740	54.861	ug/l	98
57) 1,3-Dichloropropane	10.79	76	222035	51.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	390926	247.412	ug/l	98
59) 2-Hexanone	10.83	43	514058	276.955	ug/l	99
60) Dibromochloromethane	10.99	129	144385	51.119	ug/l	98
61) 1,2-Dibromoethane	11.09	107	121791	51.368	ug/l	97
64) Tetrachloroethene	10.72	164	159372	47.153	ug/l	97
65) Chlorobenzene	11.52	112	421053	50.807	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	150219	52.265	ug/l	98
67) Ethyl Benzene	11.59	91	784933	51.463	ug/l	99
68) m/p-Xylenes	11.70	106	595645	100.900	ug/l	97
69) o-Xylene	12.03	106	283990	51.187	ug/l	97
70) Styrene	12.05	104	491771	51.764	ug/l	99
71) Bromoform	12.20	173	87165	52.727	ug/l	97
73) Isopropylbenzene	12.33	105	761213	50.221	ug/l	99
74) N-amyl acetate	12.14	43	239877	55.258	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	158538	52.826	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	114005m	48.821	ug/l	
77) Bromobenzene	12.61	156	168619	49.057	ug/l	96
78) n-propylbenzene	12.67	91	931024	50.908	ug/l	100
79) 2-Chlorotoluene	12.75	91	516979	50.919	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	648274	51.354	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	56373	54.127	ug/l	96
82) 4-Chlorotoluene	12.85	91	539066	51.221	ug/l	99
83) tert-Butylbenzene	13.08	119	549276	50.960	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	646098	51.404	ug/l	99
85) sec-Butylbenzene	13.25	105	796915	51.894	ug/l	100
86) p-Isopropyltoluene	13.37	119	698597	51.043	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	332132	49.333	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	336034	49.949	ug/l	100
89) n-Butylbenzene	13.70	91	693245	51.355	ug/l	99
90) Hexachloroethane	13.96	117	129274	51.092	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	307165	50.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26616	50.111	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	207793	49.960	ug/l	99
94) Hexachlorobutadiene	15.11	225	106555	49.700	ug/l	99
95) Naphthalene	15.23	128	484541	52.478	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	185387	49.682	ug/l	98

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

