

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000494.D
 Acq On : 30 Oct 2019 16:39
 Operator : SY/MD
 Sample : VY1030SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 11:31:53 AM

Quant Time: Oct 31 03:28:03 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	254607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	413021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	370270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	180918	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	131424	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.73	113	117242	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.18	98	484783	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
62) 4-Bromofluorobenzene	12.48	95	167211	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	50510	20.153	ug/l	93
3) Chloromethane	2.11	50	71890	20.822	ug/l	96
4) Vinyl Chloride	2.25	62	66646	20.787	ug/l	99
5) Bromomethane	2.64	94	40881	21.263	ug/l	99
6) Chloroethane	2.79	64	39949	19.908	ug/l	92
7) Trichlorofluoromethane	3.12	101	86861	20.061	ug/l	97
8) Diethyl Ether	3.53	74	29271	19.025	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.89	101	52580	20.086	ug/l	97
10) Methyl Iodide	4.10	142	64609	20.751	ug/l	97
11) Tert butyl alcohol	4.97	59	24687	96.251	ug/l	100
12) 1,1-Dichloroethene	3.87	96	50348	19.797	ug/l	91
13) Acrolein	3.73	56	19597	87.716	ug/l	96
14) Allyl chloride	4.49	41	85597	20.698	ug/l	98
15) Acrylonitrile	5.17	53	77017	97.721	ug/l	100
16) Acetone	3.96	43	63710	87.731	ug/l	94
17) Carbon Disulfide	4.19	76	164349	20.489	ug/l	99
18) Methyl Acetate	4.49	43	41846	18.532	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	137405	19.432	ug/l	96
20) Methylene Chloride	4.72	84	62327	20.030	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	59073	20.546	ug/l	100
22) Diisopropyl ether	6.13	45	179303	19.948	ug/l	95
23) Vinyl Acetate	6.07	43	560075	98.708	ug/l	99
24) 1,1-Dichloroethane	6.02	63	99190	20.370	ug/l	98
25) 2-Butanone	7.00	43	101757	87.800	ug/l	97
26) 2,2-Dichloropropane	6.99	77	90505	20.338	ug/l	96
27) cis-1,2-Dichloroethene	7.00	96	65655	20.883	ug/l	99
28) Bromochloromethane	7.35	49	24488	14.217	ug/l	96
29) Tetrahydrofuran	7.36	42	66031	93.131	ug/l	98
30) Chloroform	7.52	83	99498	20.198	ug/l	93
31) Cyclohexane	7.79	56	102253	20.049	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	89922	20.482	ug/l	99
36) 1,1-Dichloropropene	7.92	75	81041	20.756	ug/l	98
37) Ethyl Acetate	7.09	43	45835	19.773	ug/l	96
38) Carbon Tetrachloride	7.91	117	79233	21.089	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	105464	20.907	ug/l	93
40) Benzene	8.17	78	232611	20.320	ug/l	96
41) Methacrylonitrile	7.33	41	28117m	21.742	ug/l	
42) 1,2-Dichloroethane	8.25	62	67442	20.773	ug/l	99
43) Isopropyl Acetate	8.28	43	85376	19.606	ug/l	99
44) Trichloroethene	8.95	130	64073	21.229	ug/l	89
45) 1,2-Dichloropropane	9.22	63	59041	20.956	ug/l	93
46) Dibromomethane	9.31	93	30657	19.786	ug/l	96
47) Bromodichloromethane	9.50	83	74279	20.204	ug/l	98
48) Methyl methacrylate	9.30	41	36541	19.206	ug/l	99
49) 1,4-Dioxane	9.31	88	8608	412.794	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	226399	97.787	ug/l	100
52) Toluene	10.25	92	149858	20.707	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	78131	19.889	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	91178	20.261	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	43882	19.581	ug/l	98
56) Ethyl methacrylate	10.51	69	62292	19.611	ug/l	98
57) 1,3-Dichloropropane	10.79	76	77277	19.702	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	141195	98.326	ug/l	100
59) 2-Hexanone	10.83	43	158687	94.072	ug/l	99
60) Dibromochloromethane	10.99	129	48912	19.054	ug/l	98
61) 1,2-Dibromoethane	11.09	107	43272	20.082	ug/l	98
64) Tetrachloroethene	10.72	164	62514	20.418	ug/l	98
65) Chlorobenzene	11.52	112	157407	20.968	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	53575	20.577	ug/l	97
67) Ethyl Benzene	11.59	91	286212	20.715	ug/l	98
68) m/p-Xylenes	11.70	106	220733	41.278	ug/l	99
69) o-Xylene	12.03	106	103780	20.650	ug/l	96
70) Styrene	12.05	104	170781	19.845	ug/l	99
71) Bromoform	12.21	173	28711	19.173	ug/l #	95
73) Isopropylbenzene	12.33	105	273656	20.466	ug/l	98
74) N-amyl acetate	12.14	43	74261	19.392	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	51852	19.585	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	39162m	19.011	ug/l	
77) Bromobenzene	12.61	156	61218	20.189	ug/l	99
78) n-propylbenzene	12.67	91	335286	20.782	ug/l	100
79) 2-Chlorotoluene	12.75	91	184164	20.562	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	232675	20.894	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	18018	19.611	ug/l	99
82) 4-Chlorotoluene	12.86	91	191700	20.648	ug/l	98
83) tert-Butylbenzene	13.07	119	201171	21.157	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	233328	21.044	ug/l	99
85) sec-Butylbenzene	13.25	105	289008	21.334	ug/l	100
86) p-Isopropyltoluene	13.37	119	253858	21.026	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	122940	20.700	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	121584	20.487	ug/l	98
89) n-Butylbenzene	13.69	91	247257	20.763	ug/l	100
90) Hexachloroethane	13.96	117	46287	20.737	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	113279	21.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8811	18.805	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	80240	21.869	ug/l	97
94) Hexachlorobutadiene	15.11	225	41529	21.957	ug/l	100
95) Naphthalene	15.23	128	171049	21.000	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	68729	20.879	ug/l	98

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

