

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110619\
 Data File : VY000543.D
 Acq On : 06 Nov 2019 12:12
 Operator : SY/MD
 Sample : VY1106SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 10:39:12 AM

Quant Time: Nov 07 05:37:14 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	253595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	417919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	373064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	185373	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	135808	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	7.73	113	120218	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	10.18	98	489907	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.48	95	168312	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	48497	19.427	ug/l	97
3) Chloromethane	2.11	50	70204	20.415	ug/l	96
4) Vinyl Chloride	2.25	62	63328	19.831	ug/l	97
5) Bromomethane	2.65	94	47222	24.659	ug/l	89
6) Chloroethane	2.79	64	40416	20.222	ug/l	99
7) Trichlorofluoromethane	3.12	101	87785	20.355	ug/l	96
8) Diethyl Ether	3.53	74	31525	20.572	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	51779	19.859	ug/l	99
10) Methyl Iodide	4.09	142	47962	16.280	ug/l	98
11) Tert butyl alcohol	5.00	59	23384	91.534	ug/l #	72
12) 1,1-Dichloroethene	3.88	96	51849	20.468	ug/l	91
13) Acrolein	3.74	56	19055	85.631	ug/l	100
14) Allyl chloride	4.49	41	85581	20.777	ug/l	99
15) Acrylonitrile	5.18	53	79724	101.559	ug/l	98
16) Acetone	3.96	43	63375	87.618	ug/l	98
17) Carbon Disulfide	4.19	76	161524	20.217	ug/l	98
18) Methyl Acetate	4.49	43	42278	18.798	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	142259	20.198	ug/l	96
20) Methylene Chloride	4.72	84	63121	20.366	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	58794	20.530	ug/l	95
22) Diisopropyl ether	6.13	45	180020	20.108	ug/l #	96
23) Vinyl Acetate	6.07	43	587850	104.016	ug/l	98
24) 1,1-Dichloroethane	6.03	63	98789	20.368	ug/l #	97
25) 2-Butanone	7.00	43	110892	96.064	ug/l	93
26) 2,2-Dichloropropane	6.99	77	90053	20.317	ug/l	95
27) cis-1,2-Dichloroethene	7.00	96	64339	20.546	ug/l	97
28) Bromochloromethane	7.35	49	24297	14.178	ug/l	98
29) Tetrahydrofuran	7.36	42	72534	102.712	ug/l	99
30) Chloroform	7.51	83	99063	20.190	ug/l	94
31) Cyclohexane	7.80	56	100605	19.804	ug/l #	95
32) 1,1,1-Trichloroethane	7.71	97	89865	20.551	ug/l	99
36) 1,1-Dichloropropene	7.93	75	82154	20.794	ug/l	98
37) Ethyl Acetate	7.08	43	48460	20.660	ug/l #	95
38) Carbon Tetrachloride	7.91	117	78372	20.616	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	105775	20.723	ug/l	97
40) Benzene	8.17	78	235121	20.299	ug/l	95
41) Methacrylonitrile	7.34	41	34167m	26.111	ug/l	
42) 1,2-Dichloroethane	8.24	62	68679	20.906	ug/l	99
43) Isopropyl Acetate	8.28	43	91459	20.757	ug/l	98
44) Trichloroethene	8.94	130	63689	20.855	ug/l	94
45) 1,2-Dichloropropane	9.22	63	58569	20.545	ug/l	90
46) Dibromomethane	9.31	93	32036	20.434	ug/l	98
47) Bromodichloromethane	9.50	83	76612	20.594	ug/l	97
48) Methyl methacrylate	9.30	41	40119	20.839	ug/l	96
49) 1,4-Dioxane	9.30	88	8567	406.013	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	245013	104.586	ug/l	99
52) Toluene	10.25	92	150615	20.567	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	86207	21.688	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	96565	21.206	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	46665	20.579	ug/l	95
56) Ethyl methacrylate	10.51	69	66771	20.775	ug/l	98
57) 1,3-Dichloropropane	10.79	76	81548	20.547	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.79	63	141402	97.316	ug/l	98
59) 2-Hexanone	10.83	43	171487	100.469	ug/l	100
60) Dibromochloromethane	10.99	129	52423	20.183	ug/l	98
61) 1,2-Dibromoethane	11.09	107	45056	20.665	ug/l	99
64) Tetrachloroethene	10.72	164	63654	20.635	ug/l	97
65) Chlorobenzene	11.52	112	159017	21.023	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	55980	21.340	ug/l	98
67) Ethyl Benzene	11.59	91	291000	20.904	ug/l	98
68) m/p-Xylenes	11.70	106	225768	41.903	ug/l	100
69) o-Xylene	12.03	106	105361	20.807	ug/l	96
70) Styrene	12.04	104	176366	20.340	ug/l	99
71) Bromoform	12.20	173	30316	20.093	ug/l #	99
73) Isopropylbenzene	12.33	105	281276	20.530	ug/l	100
74) N-amyl acetate	12.14	43	82758	21.091	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	55202	20.349	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	39373m	18.654	ug/l	
77) Bromobenzene	12.61	156	62279	20.046	ug/l	97
78) n-propylbenzene	12.67	91	342440	20.715	ug/l	98
79) 2-Chlorotoluene	12.75	91	186647	20.338	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	237752	20.836	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	19008	20.191	ug/l	95
82) 4-Chlorotoluene	12.85	91	197123	20.722	ug/l	100
83) tert-Butylbenzene	13.07	119	200202	20.549	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	238086	20.957	ug/l	100
85) sec-Butylbenzene	13.25	105	287936	20.744	ug/l	99
86) p-Isopropyltoluene	13.37	119	256867	20.764	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	126809	20.838	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	126337	20.776	ug/l	98
89) n-Butylbenzene	13.69	91	255232	20.918	ug/l	99
90) Hexachloroethane	13.96	117	47801	20.901	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	117664	21.311	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10232	21.313	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	77942	20.732	ug/l	99
94) Hexachlorobutadiene	15.11	225	42173	21.762	ug/l	98
95) Naphthalene	15.23	128	178264	21.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	70673	20.954	ug/l	96

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

