

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000134.D
 Acq On : 23 Sep 2019 16:16
 Operator : SY/MD
 Sample : VY0923SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:30 AM

Quant Time: Sep 24 05:31:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 05:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	112579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	219473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	195419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	84680	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	64837	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.72	113	60762	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
50) Toluene-d8	10.18	98	255723	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.48	95	86085	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	24652	22.074	ug/l	95
3) Chloromethane	2.11	50	34609	16.542	ug/l	97
4) Vinyl Chloride	2.25	62	35330	20.412	ug/l	97
5) Bromomethane	2.62	94	22177	20.685	ug/l	98
6) Chloroethane	2.77	64	21859	20.442	ug/l #	87
7) Trichlorofluoromethane	3.12	101	40111	20.289	ug/l	94
8) Diethyl Ether	3.53	74	17715	20.903	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.89	101	25409	19.383	ug/l	93
10) Methyl Iodide	4.08	142	31074	18.478	ug/l	97
11) Tert butyl alcohol	4.96	59	14009	104.852	ug/l #	94
12) 1,1-Dichloroethene	3.86	96	27431	20.260	ug/l	94
13) Acrolein	3.73	56	8021	147.758	ug/l	88
14) Allyl chloride	4.48	41	39059	20.437	ug/l	97
15) Acrylonitrile	5.17	53	42861	104.332	ug/l	97
16) Acetone	3.96	43	25270	100.449	ug/l #	78
17) Carbon Disulfide	4.18	76	92342	19.795	ug/l	96
18) Methyl Acetate	4.48	43	19438	21.092	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	71928	20.445	ug/l	94
20) Methylene Chloride	4.71	84	50402	29.813	ug/l	94
21) trans-1,2-Dichloroethene	5.21	96	30958	20.276	ug/l	97
22) Diisopropyl ether	6.11	45	82267	20.190	ug/l	94
23) Vinyl Acetate	6.06	43	275350	101.399	ug/l	99
24) 1,1-Dichloroethane	6.01	63	48056	19.798	ug/l	99
25) 2-Butanone	6.99	43	48047	102.941	ug/l	94
26) 2,2-Dichloropropane	6.98	77	40268	18.306	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	34338	20.206	ug/l	97
28) Bromochloromethane	7.33	49	18332	19.326	ug/l	100
29) Tetrahydrofuran	7.35	42	32391	102.479	ug/l	99
30) Chloroform	7.51	83	47838	19.576	ug/l	88
31) Cyclohexane	7.78	56	49499	19.665	ug/l	91
32) 1,1,1-Trichloroethane	7.70	97	39002	19.399	ug/l	99
36) 1,1-Dichloropropene	7.92	75	40511	19.935	ug/l	98
37) Ethyl Acetate	7.07	43	21541	20.072	ug/l	96
38) Carbon Tetrachloride	7.90	117	34243	19.634	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	53677	19.205	ug/l	98
40) Benzene	8.16	78	126466	20.164	ug/l	99
41) Methacrylonitrile	7.31	41	11172m	21.144	ug/l	
42) 1,2-Dichloroethane	8.24	62	32611	20.390	ug/l	97
43) Isopropyl Acetate	8.28	43	42819	19.947	ug/l	99
44) Trichloroethene	8.93	130	31744	20.384	ug/l	95
45) 1,2-Dichloropropane	9.22	63	29370	19.388	ug/l	97
46) Dibromomethane	9.30	93	17030	20.214	ug/l	96
47) Bromodichloromethane	9.49	83	37581	19.482	ug/l	93
48) Methyl methacrylate	9.29	41	18111	19.743	ug/l	97
49) 1,4-Dioxane	9.29	88	5395	405.628	ug/l #	82
51) 4-Methyl-2-Pentanone	10.07	43	110994	101.472	ug/l	100
52) Toluene	10.24	92	78834	20.341	ug/l	95
53) t-1,3-Dichloropropene	10.46	75	39378	18.721	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	48455	19.869	ug/l	93
55) 1,1,2-Trichloroethane	10.64	97	23482	19.463	ug/l	94
56) Ethyl methacrylate	10.51	69	34005	20.010	ug/l	99
57) 1,3-Dichloropropane	10.79	76	42533	20.278	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	85812	102.278	ug/l	100
59) 2-Hexanone	10.83	43	75434	98.453	ug/l	99
60) Dibromochloromethane	10.98	129	24766	19.641	ug/l	97
61) 1,2-Dibromoethane	11.09	107	23043	20.323	ug/l	100
64) Tetrachloroethene	10.71	164	28970	19.476	ug/l	86
65) Chlorobenzene	11.51	112	78875	19.883	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	24000	18.828	ug/l	97
67) Ethyl Benzene	11.59	91	143379	19.884	ug/l	100
68) m/p-Xylenes	11.70	106	107018	38.485	ug/l	96
69) o-Xylene	12.02	106	51981	19.555	ug/l	98
70) Styrene	12.04	104	88028	19.599	ug/l	98
71) Bromoform	12.20	173	14276	19.836	ug/l #	99
73) Isopropylbenzene	12.32	105	134062	19.884	ug/l	100
74) N-amyl acetate	12.14	43	36559	19.456	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	27310	20.287	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	15559m	17.533	ug/l	
77) Bromobenzene	12.60	156	27693	19.642	ug/l	98
78) n-propylbenzene	12.66	91	162185	19.450	ug/l	100
79) 2-Chlorotoluene	12.75	91	88500	19.334	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	108341	19.202	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	10433	19.324	ug/l #	89
82) 4-Chlorotoluene	12.85	91	94883	20.097	ug/l	97
83) tert-Butylbenzene	13.07	119	91473	19.791	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	109626	19.469	ug/l	98
85) sec-Butylbenzene	13.25	105	133479	19.319	ug/l	100
86) p-Isopropyltoluene	13.37	119	115378	19.586	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	54846	19.882	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	56839	20.186	ug/l	97
89) n-Butylbenzene	13.69	91	119224	19.730	ug/l	100
90) Hexachloroethane	13.95	117	21411	18.353	ug/l	92
91) 1,2-Dichlorobenzene	13.73	146	51333	19.725	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5083	20.543	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	32206	19.248	ug/l	95
94) Hexachlorobutadiene	15.10	225	15589	20.962	ug/l	94
95) Naphthalene	15.23	128	84916	20.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	29301	19.634	ug/l	99

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

