

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091919\
 Data File : VY000073.D
 Acq On : 19 Sep 2019 13:39
 Operator : SY/MD
 Sample : VY0919SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:30:35 AM

Quant Time: Sep 20 02:20:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	105371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	198758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	168575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	74938	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	59427	49.02	ug/l	0.00
Spiked Amount						
			Recovery	=	98.04%	
35) Dibromofluoromethane	7.73	113	57538	47.81	ug/l	0.01
Spiked Amount						
			Recovery	=	95.62%	
50) Toluene-d8	10.18	98	231935	49.07	ug/l	0.00
Spiked Amount						
			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.48	95	81482	46.43	ug/l	0.00
Spiked Amount						
			Recovery	=	92.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	2007	Below Cal		100
3) Chloromethane	2.11	50	10140	3.954	ug/l	99
4) Vinyl Chloride	2.25	62	13066	11.113	ug/l	99
5) Bromomethane	2.62	94	11096	13.096	ug/l	86
6) Chloroethane	2.78	64	12432	15.774	ug/l #	87
7) Trichlorofluoromethane	3.12	101	26638	16.386	ug/l	95
8) Diethyl Ether	3.53	74	13548	19.464	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.89	101	20958	18.792	ug/l	95
10) Methyl Iodide	4.09	142	19200	16.554	ug/l	99
11) Tert butyl alcohol	4.97	59	16280	113.276	ug/l	98
12) 1,1-Dichloroethene	3.87	96	18888	18.371	ug/l #	77
13) Acrolein	3.73	56	10358	128.291	ug/l	98
14) Allyl chloride	4.48	41	31327	19.936	ug/l	99
15) Acrylonitrile	5.17	53	45768	109.652	ug/l	98
16) Acetone	3.95	43	28089	99.513	ug/l	92
17) Carbon Disulfide	4.19	76	30483	14.216	ug/l	100
18) Methyl Acetate	4.48	43	21539	22.840	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	67294	20.945	ug/l	100
20) Methylene Chloride	4.71	84	32089	24.166	ug/l	93
21) trans-1,2-Dichloroethene	5.21	96	21892	19.155	ug/l	84
22) Diisopropyl ether	6.13	45	75317	21.214	ug/l	95
23) Vinyl Acetate	6.06	43	256639	108.006	ug/l	96
24) 1,1-Dichloroethane	6.02	63	44663	21.255	ug/l	98
25) 2-Butanone	6.99	43	53302	104.258	ug/l	97
26) 2,2-Dichloropropane	6.98	77	40140	20.241	ug/l	99
27) cis-1,2-Dichloroethene	6.98	96	30124	20.818	ug/l	99
28) Bromochloromethane	7.34	49	18723	19.222	ug/l	91
29) Tetrahydrofuran	7.35	42	33780	110.062	ug/l	97
30) Chloroform	7.51	83	45823	21.131	ug/l	99
31) Cyclohexane	7.79	56	32510	19.004	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	37811	21.467	ug/l	98
36) 1,1-Dichloropropene	7.92	75	32099	21.598	ug/l	98
37) Ethyl Acetate	7.08	43	24310	24.540	ug/l #	89
38) Carbon Tetrachloride	7.90	117	30674	21.869	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	38164	20.884	ug/l	97
40) Benzene	8.16	78	103949	21.177	ug/l	96
41) Methacrylonitrile	7.33	41	12589m	19.659	ug/l	
42) 1,2-Dichloroethane	8.24	62	28410	21.850	ug/l	100
43) Isopropyl Acetate	8.28	43	43973	22.697	ug/l	97
44) Trichloroethene	8.94	130	27285	21.758	ug/l	95
45) 1,2-Dichloropropane	9.21	63	26410	20.770	ug/l	96
46) Dibromomethane	9.31	93	15824	22.783	ug/l	96
47) Bromodichloromethane	9.50	83	36381	21.586	ug/l	98
48) Methyl methacrylate	9.29	41	19068	22.379	ug/l	99
49) 1,4-Dioxane	9.31	88	6096	452.064	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	121837	115.180	ug/l	97
52) Toluene	10.24	92	66670	21.378	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	38084	21.312	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	44174	21.406	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	24129	22.159	ug/l	98
56) Ethyl methacrylate	10.51	69	32933	21.255	ug/l	96
57) 1,3-Dichloropropane	10.79	76	39639	21.671	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	86901	103.751	ug/l	99
59) 2-Hexanone	10.84	43	86202	114.229	ug/l	97
60) Dibromochloromethane	10.98	129	25870	22.678	ug/l	95
61) 1,2-Dibromoethane	11.09	107	21535	21.652	ug/l	99
64) Tetrachloroethene	10.72	164	23513	22.223	ug/l	96
65) Chlorobenzene	11.52	112	73862	22.151	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	25394	22.524	ug/l	100
67) Ethyl Benzene	11.59	91	131558	22.108	ug/l	98
68) m/p-Xylenes	11.70	106	100248	44.273	ug/l	97
69) o-Xylene	12.02	106	47919	21.856	ug/l	99
70) Styrene	12.04	104	84712	22.009	ug/l	99
71) Bromoform	12.21	173	14966	22.930	ug/l #	97
73) Isopropylbenzene	12.33	105	131589	21.789	ug/l	98
74) N-amyl acetate	12.14	43	38049	22.115	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	31541	22.187	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	23738m	22.514	ug/l	
77) Bromobenzene	12.60	156	27499	21.806	ug/l	95
78) n-propylbenzene	12.67	91	159035	21.588	ug/l	98
79) 2-Chlorotoluene	12.76	91	86708	21.053	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	108664	21.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	12134	22.133	ug/l	95
82) 4-Chlorotoluene	12.85	91	89714	21.066	ug/l	97
83) tert-Butylbenzene	13.07	119	90777	21.209	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	107820	21.861	ug/l	96
85) sec-Butylbenzene	13.25	105	134434	21.259	ug/l	98
86) p-Isopropyltoluene	13.37	119	112630	21.013	ug/l	97
87) 1,3-Dichlorobenzene	13.37	146	54788	21.902	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	55152	21.941	ug/l	99
89) n-Butylbenzene	13.69	91	120758	21.900	ug/l	99
90) Hexachloroethane	13.96	117	22894	21.735	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	51788	22.035	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5669	22.397	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	33670	23.742	ug/l	96
94) Hexachlorobutadiene	15.11	225	14944	21.947	ug/l	99
95) Naphthalene	15.23	128	86637	21.520	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	29912	22.101	ug/l	98

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

