

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000151.D
 Acq On : 26 Sep 2019 14:33
 Operator : SY/MD
 Sample : VY0926SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:13:19 AM

Quant Time: Sep 26 14:56:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:28:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	193160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	318990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	277383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	133343	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	81574	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
35) Dibromofluoromethane	7.72	113	83974	50.27	ug/l	0.00
Spiked Amount						
			Recovery	=	100.54%	
50) Toluene-d8	10.18	98	358256	50.68	ug/l	0.00
Spiked Amount						
			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.48	95	119846	46.51	ug/l	0.00
Spiked Amount						
			Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	35720	23.890	ug/l	88
3) Chloromethane	2.11	50	47130	21.372	ug/l	92
4) Vinyl Chloride	2.25	62	52354	21.749	ug/l	100
5) Bromomethane	2.63	94	34735	21.399	ug/l	100
6) Chloroethane	2.78	64	31342	20.973	ug/l	95
7) Trichlorofluoromethane	3.11	101	64262	22.147	ug/l	97
8) Diethyl Ether	3.53	74	23195	20.050	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.89	101	40862	21.574	ug/l	99
10) Methyl Iodide	4.09	142	55410	18.974	ug/l	100
11) Tert butyl alcohol	4.97	59	16418	97.146	ug/l	95
12) 1,1-Dichloroethene	3.86	96	42635	21.465	ug/l	97
13) Acrolein	3.73	56	20573	98.022	ug/l	92
14) Allyl chloride	4.48	41	50868	20.466	ug/l	96
15) Acrylonitrile	5.17	53	51603	98.084	ug/l	99
16) Acetone	3.94	43	36185	84.327	ug/l	95
17) Carbon Disulfide	4.18	76	129978	21.096	ug/l	96
18) Methyl Acetate	4.49	43	22990	18.741	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	94461	20.089	ug/l	97
20) Methylene Chloride	4.71	84	54025	23.280	ug/l	93
21) trans-1,2-Dichloroethene	5.21	96	47296	21.372	ug/l	89
22) Diisopropyl ether	6.12	45	103462	19.807	ug/l	99
23) Vinyl Acetate	6.06	43	329745	100.729	ug/l	96
24) 1,1-Dichloroethane	6.01	63	65029	20.565	ug/l	96
25) 2-Butanone	6.99	43	62319	95.960	ug/l	99
26) 2,2-Dichloropropane	6.99	77	60245	20.953	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	50893	20.693	ug/l	98
28) Bromochloromethane	7.33	49	22444	18.630	ug/l	94
29) Tetrahydrofuran	7.36	42	38394	95.901	ug/l	98
30) Chloroform	7.51	83	67196	20.304	ug/l	92
31) Cyclohexane	7.78	56	70657	21.614	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	60826	20.961	ug/l	98
36) 1,1-Dichloropropene	7.92	75	55412	20.903	ug/l	98
37) Ethyl Acetate	7.08	43	27633	19.733	ug/l	95
38) Carbon Tetrachloride	7.90	117	54386	21.016	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	81784	21.752	ug/l	98
40) Benzene	8.16	78	175465	20.954	ug/l	97
41) Methacrylonitrile	7.31	41	11862	17.586	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	40925	20.087	ug/l	100
43) Isopropyl Acetate	8.28	43	51657	19.970	ug/l	97
44) Trichloroethene	8.94	130	54906	20.518	ug/l	92
45) 1,2-Dichloropropane	9.22	63	39071	21.151	ug/l	99
46) Dibromomethane	9.31	93	23509	20.853	ug/l	95
47) Bromodichloromethane	9.50	83	50884	20.024	ug/l	96
48) Methyl methacrylate	9.30	41	21833	18.849	ug/l	99
49) 1,4-Dioxane	9.30	88	7471	428.947	ug/l #	95
51) 4-Methyl-2-Pentanone	10.07	43	131673	98.071	ug/l	100
52) Toluene	10.24	92	113439	20.918	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	52827	19.791	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	63522	20.081	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	34390	20.516	ug/l	96
56) Ethyl methacrylate	10.51	69	43158	19.793	ug/l	99
57) 1,3-Dichloropropane	10.79	76	53754	19.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	100638	98.265	ug/l	100
59) 2-Hexanone	10.83	43	93886	98.387	ug/l	99
60) Dibromochloromethane	10.99	129	37368	19.720	ug/l	99
61) 1,2-Dibromoethane	11.09	107	32935	20.589	ug/l	96
64) Tetrachloroethene	10.72	164	55468	20.186	ug/l	98
65) Chlorobenzene	11.52	112	121622	21.070	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	39070	20.030	ug/l	94
67) Ethyl Benzene	11.59	91	204562	20.731	ug/l	98
68) m/p-Xylenes	11.70	106	164900	41.339	ug/l	98
69) o-Xylene	12.03	106	79075	20.785	ug/l	98
70) Styrene	12.04	104	129692	20.144	ug/l	98
71) Bromoform	12.20	173	23537	20.534	ug/l #	97
73) Isopropylbenzene	12.33	105	202482	21.047	ug/l	98
74) N-amyl acetate	12.14	43	45228	19.422	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	30674	20.483	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	22802m	16.991	ug/l	
77) Bromobenzene	12.61	156	49985	21.031	ug/l	97
78) n-propylbenzene	12.67	91	242487	21.144	ug/l	98
79) 2-Chlorotoluene	12.75	91	131200	21.025	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	166647	20.823	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	13538	20.104	ug/l	99
82) 4-Chlorotoluene	12.85	91	137152	21.095	ug/l	98
83) tert-Butylbenzene	13.07	119	151153	21.932	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	168930	20.887	ug/l	98
85) sec-Butylbenzene	13.25	105	207925	21.014	ug/l	100
86) p-Isopropyltoluene	13.36	119	188720	21.418	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	93633	20.561	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	92996	20.515	ug/l	100
89) n-Butylbenzene	13.69	91	175161	20.918	ug/l	98
90) Hexachloroethane	13.95	117	35485	21.317	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	86373	20.759	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5682	19.230	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	61436	21.282	ug/l	99
94) Hexachlorobutadiene	15.11	225	31331	22.244	ug/l	98
95) Naphthalene	15.23	128	131392	20.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	55328	21.370	ug/l	99

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

