

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000150.D
 Acq On : 26 Sep 2019 14:11
 Operator : SY/MD
 Sample : VY0926SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:13:14 AM

Quant Time: Sep 26 14:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:30:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	203459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	333335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	292691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	140896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	81848	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	7.72	113	86890	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.17	98	366716	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.48	95	120868	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	33466	20.568	ug/l	93
3) Chloromethane	2.11	50	46215	19.566	ug/l	94
4) Vinyl Chloride	2.25	62	49127	19.375	ug/l	100
5) Bromomethane	2.63	94	34375	20.105	ug/l	97
6) Chloroethane	2.78	64	31029	19.712	ug/l	92
7) Trichlorofluoromethane	3.12	101	61089	19.988	ug/l	99
8) Diethyl Ether	3.52	74	23147	18.996	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.89	101	38038	19.067	ug/l	97
10) Methyl Iodide	4.09	142	50136	16.299	ug/l	98
11) Tert butyl alcohol	4.96	59	16856	94.689	ug/l #	84
12) 1,1-Dichloroethene	3.86	96	40176	19.203	ug/l	94
13) Acrolein	3.73	56	22579	102.134	ug/l	97
14) Allyl chloride	4.47	41	50146	19.154	ug/l	98
15) Acrylonitrile	5.16	53	51228	92.442	ug/l	98
16) Acetone	3.94	43	36113	79.899	ug/l	93
17) Carbon Disulfide	4.18	76	124482	19.182	ug/l	99
18) Methyl Acetate	4.47	43	24714	19.126	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	92738	18.724	ug/l	96
20) Methylene Chloride	4.71	84	51237	20.412	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	43585	18.698	ug/l	92
22) Diisopropyl ether	6.11	45	99991	18.174	ug/l	94
23) Vinyl Acetate	6.07	43	326606	94.720	ug/l	98
24) 1,1-Dichloroethane	6.02	63	61755	18.541	ug/l	95
25) 2-Butanone	6.99	43	61199	89.465	ug/l	94
26) 2,2-Dichloropropane	6.98	77	59000	19.482	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	47826	18.462	ug/l	96
28) Bromochloromethane	7.33	49	22585	17.798	ug/l	98
29) Tetrahydrofuran	7.35	42	39214	92.991	ug/l	99
30) Chloroform	7.50	83	64393	18.472	ug/l	98
31) Cyclohexane	7.78	56	64504	18.733	ug/l	94
32) 1,1,1-Trichloroethane	7.70	97	59059	19.322	ug/l	97
36) 1,1-Dichloropropene	7.91	75	53951	19.476	ug/l	98
37) Ethyl Acetate	7.08	43	27068	18.498	ug/l	97
38) Carbon Tetrachloride	7.89	117	52532	19.426	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	74479	18.956	ug/l	95
40) Benzene	8.16	78	167387	19.129	ug/l	98
41) Methacrylonitrile	7.32	41	12837m	18.212	ug/l	
42) 1,2-Dichloroethane	8.24	62	39314	18.465	ug/l	99
43) Isopropyl Acetate	8.28	43	50633	18.732	ug/l	100
44) Trichloroethene	8.94	130	51727	18.498	ug/l	97
45) 1,2-Dichloropropane	9.22	63	37598	19.478	ug/l	94
46) Dibromomethane	9.31	93	22220	18.862	ug/l	98
47) Bromodichloromethane	9.50	83	48700	18.340	ug/l	95
48) Methyl methacrylate	9.30	41	23256	19.213	ug/l	95
49) 1,4-Dioxane	9.30	88	7522	413.289	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	132123	94.171	ug/l	98
52) Toluene	10.24	92	105852	18.679	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	52788	18.925	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	61880	18.720	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	32812	18.732	ug/l	91
56) Ethyl methacrylate	10.50	69	42973	18.860	ug/l	99
57) 1,3-Dichloropropane	10.79	76	53188	18.896	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	103383	96.601	ug/l	98
59) 2-Hexanone	10.83	43	94905	95.175	ug/l	99
60) Dibromochloromethane	10.99	129	37560	18.968	ug/l	95
61) 1,2-Dibromoethane	11.08	107	31794	19.021	ug/l	97
64) Tetrachloroethene	10.72	164	53243	18.363	ug/l	96
65) Chlorobenzene	11.52	112	115341	18.936	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.58	131	38813	18.858	ug/l	97
67) Ethyl Benzene	11.59	91	196487	18.872	ug/l	99
68) m/p-Xylenes	11.70	106	162564	38.622	ug/l	97
69) o-Xylene	12.03	106	74143	18.470	ug/l	96
70) Styrene	12.04	104	129055	18.996	ug/l	98
71) Bromoform	12.20	173	23069	19.074	ug/l #	100
73) Isopropylbenzene	12.33	105	195067	19.189	ug/l	97
74) N-amyl acetate	12.14	43	45259	18.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	31315	19.790	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	24912m	17.568	ug/l	
77) Bromobenzene	12.61	156	47291	18.831	ug/l	99
78) n-propylbenzene	12.67	91	227679	18.788	ug/l	100
79) 2-Chlorotoluene	12.75	91	126034	19.115	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	159601	18.874	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	13733	19.300	ug/l	98
82) 4-Chlorotoluene	12.85	91	132301	19.258	ug/l	98
83) tert-Butylbenzene	13.07	119	140448	19.287	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	163564	19.140	ug/l	100
85) sec-Butylbenzene	13.25	105	198850	19.019	ug/l	100
86) p-Isopropyltoluene	13.36	119	177215	19.034	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	91360	18.987	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	87800	18.331	ug/l	95
89) n-Butylbenzene	13.69	91	168290	19.020	ug/l	100
90) Hexachloroethane	13.95	117	33860	19.250	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	83552	19.005	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5774	18.494	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	59011	19.346	ug/l	98
94) Hexachlorobutadiene	15.11	225	28463	19.125	ug/l	98
95) Naphthalene	15.23	128	129741	18.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	51871	18.961	ug/l	99

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

