

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009254.D
 Acq On : 24 Jan 2019 12:24
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:16 AM

Quant Time: Jan 24 13:24:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:54:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	83043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	140666	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	131514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	64125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	5112	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
35) Dibromofluoromethane	4.64	113	4685	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
50) Toluene-d8	7.35	98	17383	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
62) 4-Bromofluorobenzene	10.12	95	7182	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3270	4.868	ug/l 94
3) Chloromethane	1.24	50	4644	5.136	ug/l 94
4) Vinyl Chloride	1.32	62	4637	4.514	ug/l # 88
5) Bromomethane	1.52	94	3036	5.211	ug/l 84
6) Chloroethane	1.59	64	2532	4.410	ug/l 95
7) Trichlorofluoromethane	1.76	101	2275	3.155	ug/l 96
8) Diethyl Ether	1.96	74	2262	4.989	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.13	101	3951	4.410	ug/l 95
10) Methyl Iodide	2.25	142	6585	4.605	ug/l 95
11) Tert butyl alcohol	2.65	59	4412	55.580	ug/l # 78
12) 1,1-Dichloroethene	2.14	96	4123	4.688	ug/l 86
13) Acrolein	2.06	56	1288	9.112	ug/l 88
14) Allyl chloride	2.41	41	6597	4.352	ug/l 98
15) Acrylonitrile	2.76	53	5316	27.065	ug/l 95
16) Acetone	2.18	43	9127	33.217	ug/l 98
17) Carbon Disulfide	2.31	76	11155	4.146	ug/l 97
18) Methyl Acetate	2.45	43	3930	5.355	ug/l 100
19) Methyl tert-butyl Ether	2.80	73	6536	4.787	ug/l 100
20) Methylene Chloride	2.52	84	5687	2.336	ug/l 97
21) trans-1,2-Dichloroethene	2.78	96	4751	5.014	ug/l 86
22) Diisopropyl ether	3.32	45	15577	4.826	ug/l 98
23) Vinyl Acetate	3.30	43	42833	24.456	ug/l 99
24) 1,1-Dichloroethane	3.21	63	9758	4.859	ug/l 98
25) 2-Butanone	4.02	43	8810	28.039	ug/l 99
26) 2,2-Dichloropropane	3.95	77	4523m	4.002	ug/l
27) cis-1,2-Dichloroethene	3.95	96	5624	4.911	ug/l 98
28) Bromochloromethane	4.29	49	3550	4.790	ug/l # 98
29) Tetrahydrofuran	4.38	42	4868	28.486	ug/l 97
30) Chloroform	4.42	83	9524	4.722	ug/l 98
31) Cyclohexane	4.71	56	9731	5.308	ug/l # 80
32) 1,1,1-Trichloroethane	4.65	97	7106	4.180	ug/l 96
36) 1,1-Dichloropropene	4.87	75	7068	4.526	ug/l # 84
37) Ethyl Acetate	4.13	43	2498	4.162	ug/l # 92
38) Carbon Tetrachloride	4.86	117	6859	4.387	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009254.D
 Acq On : 24 Jan 2019 12:24
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:16 AM

Quant Time: Jan 24 13:24:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:54:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	8774	4.744	ug/l	95
40) Benzene	5.14	78	20967	4.800	ug/l	99
41) Methacrylonitrile	4.31	41	1851	5.117	ug/l #	96
42) 1,2-Dichloroethane	5.17	62	6639	4.856	ug/l	95
43) Isopropyl Acetate	5.33	43	6432	5.448	ug/l #	91
44) Trichloroethene	5.95	130	5919	5.149	ug/l	89
45) 1,2-Dichloropropane	6.22	63	5206	4.955	ug/l	90
46) Dibromomethane	6.35	93	2803	5.199	ug/l	94
47) Bromodichloromethane	6.55	83	6637	4.659	ug/l	97
48) Methyl methacrylate	6.42	41	3081	5.114	ug/l	97
49) 1,4-Dioxane	6.42	88	898	130.758	ug/l #	86
51) 4-Methyl-2-Pentanone	7.27	43	17513	29.229	ug/l	99
52) Toluene	7.43	92	13122	4.749	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	6312	4.552	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	7126	4.463	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	3857	5.078	ug/l	97
56) Ethyl methacrylate	7.83	69	4028	4.551	ug/l	93
57) 1,3-Dichloropropane	8.06	76	7125	5.181	ug/l	97
58) 2-Chloroethyl Vinyl ether	6.94	63	19	1.374	ug/l #	52
59) 2-Hexanone	8.19	43	12187	28.122	ug/l	99
60) Dibromochloromethane	8.29	129	4316	4.853	ug/l	98
61) 1,2-Dibromoethane	8.40	107	3738	5.032	ug/l	97
64) Tetrachloroethene	8.02	164	4702	5.024	ug/l	96
65) Chlorobenzene	8.92	112	15830	5.174	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	4666	4.462	ug/l	96
67) Ethyl Benzene	9.05	91	25059	4.597	ug/l	99
68) m/p-Xylenes	9.18	106	18712	9.043	ug/l	99
69) o-Xylene	9.59	106	8452	4.406	ug/l	94
70) Styrene	9.60	104	13429	4.386	ug/l	99
71) Bromoform	9.78	173	2366	4.798	ug/l #	95
73) Isopropylbenzene	9.97	105	24513	4.629	ug/l	99
74) N-amyl acetate	9.84	43	5558	5.676	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	5022	5.626	ug/l	96
76) 1,2,3-Trichloropropane	10.32	75	3691m	5.257	ug/l	
77) Bromobenzene	10.26	156	5845	5.161	ug/l	98
78) n-propylbenzene	10.40	91	29089	4.634	ug/l	100
79) 2-Chlorotoluene	10.47	91	18326	4.838	ug/l	96
80) 1,3,5-Trimethylbenzene	10.58	105	20332	4.578	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	1052	4.240	ug/l	85
82) 4-Chlorotoluene	10.58	91	21466	4.812	ug/l	99
83) tert-Butylbenzene	10.91	119	19830	4.689	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	20917	4.669	ug/l	100
85) sec-Butylbenzene	11.13	105	26642	4.810	ug/l	99
86) p-Isopropyltoluene	11.29	119	22866	4.715	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	12403	5.274	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	12792	5.381	ug/l	94
89) n-Butylbenzene	11.70	91	23291	4.948	ug/l	98
90) Hexachloroethane	11.95	117	4078	4.729	ug/l	94
91) 1,2-Dichlorobenzene	11.69	146	10976	5.287	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.48	75	702	4.684	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV012419\
Data File : VV009254.D
Acq On : 24 Jan 2019 12:24
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA V/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:01:16 AM

Quant Time: Jan 24 13:24:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 23 01:54:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	8367	6.261	ug/l	98
94) Hexachlorobutadiene	13.49	225	4670	5.638	ug/l	96
95) Naphthalene	13.56	128	16945	7.333	ug/l	97
96) 1,2,3-Trichlorobenzene	13.80	180	7323	6.471	ug/l	100

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

