

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009230.D
 Acq On : 22 Jan 2019 11:58
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:43:36 AM

Quant Time: Jan 23 00:52:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 00:37:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	88959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	150139	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	137567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	65720	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.08	65	5132	4.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.52%	
35) Dibromofluoromethane	4.64	113	4628	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	
50) Toluene-d8	7.36	98	18173	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	
62) 4-Bromofluorobenzene	10.12	95	7005	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	4105	5.810	ug/l	93
3) Chloromethane	1.25	50	5147	4.996	ug/l	98
4) Vinyl Chloride	1.32	62	5728	5.687	ug/l	93
5) Bromomethane	1.53	94	3372	5.101	ug/l	97
6) Chloroethane	1.59	64	3313	5.222	ug/l	94
7) Trichlorofluoromethane	1.76	101	4032	6.542	ug/l	95
8) Diethyl Ether	1.96	74	2262	4.534	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.14	101	4739	5.167	ug/l	97
10) Methyl Iodide	2.25	142	7640	5.070	ug/l	97
11) Tert butyl alcohol	2.65	59	2793	31.703	ug/l #	72
12) 1,1-Dichloroethene	2.13	96	4820	5.234	ug/l	99
13) Acrolein	2.06	56	1560	24.430	ug/l	90
14) Allyl chloride	2.42	41	8032	4.961	ug/l	97
15) Acrylonitrile	2.76	53	5039	23.353	ug/l	98
16) Acetone	2.17	43	7782	26.403	ug/l	96
17) Carbon Disulfide	2.31	76	14378	5.232	ug/l	96
18) Methyl Acetate	2.45	43	4520	5.905	ug/l #	88
19) Methyl tert-butyl Ether	2.80	73	7532	5.221	ug/l	95
20) Methylene Chloride	2.52	84	6751	6.057	ug/l	96
21) trans-1,2-Dichloroethene	2.78	96	5081	5.102	ug/l	98
22) Diisopropyl ether	3.33	45	16730	4.641	ug/l	99
23) Vinyl Acetate	3.30	43	41888	21.052	ug/l	97
24) 1,1-Dichloroethane	3.22	63	10827	4.951	ug/l	99
25) 2-Butanone	4.01	43	7403	21.175	ug/l	92
26) 2,2-Dichloropropane	3.94	77	5317	4.599	ug/l	99
27) cis-1,2-Dichloroethene	3.96	96	5838	4.647	ug/l	96
28) Bromochloromethane	4.29	49	3777	4.499	ug/l #	98
29) Tetrahydrofuran	4.38	42	4049	20.216	ug/l #	80
30) Chloroform	4.42	83	10551	4.643	ug/l	99
31) Cyclohexane	4.72	56	11098	5.695	ug/l #	80
32) 1,1,1-Trichloroethane	4.65	97	8723	4.811	ug/l	96
36) 1,1-Dichloropropene	4.88	75	8453	5.200	ug/l	97
37) Ethyl Acetate	4.13	43	2434	3.584	ug/l #	88
38) Carbon Tetrachloride	4.87	117	7957	4.926	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009230.D
 Acq On : 22 Jan 2019 11:58
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:43:36 AM

Quant Time: Jan 23 00:52:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 00:37:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	9584	5.123	ug/l	100
40) Benzene	5.14	78	22697	4.943	ug/l	99
41) Methacrylonitrile	4.31	41	1694	4.260	ug/l #	89
42) 1,2-Dichloroethane	5.18	62	7297	4.763	ug/l	97
43) Isopropyl Acetate	5.32	43	5432	4.026	ug/l	97
44) Trichloroethene	5.96	130	6290	5.320	ug/l	90
45) 1,2-Dichloropropane	6.21	63	5262	4.702	ug/l	97
46) Dibromomethane	6.35	93	2639	4.328	ug/l	97
47) Bromodichloromethane	6.55	83	6933	4.358	ug/l	98
48) Methyl methacrylate	6.42	41	2874	4.202	ug/l	94
49) 1,4-Dioxane	6.41	88	588	74.325	ug/l #	84
51) 4-Methyl-2-Pentanone	7.27	43	14423	21.368	ug/l	98
52) Toluene	7.43	92	13930	4.833	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	6266	4.049	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	7473	4.262	ug/l	94
55) 1,1,2-Trichloroethane	7.88	97	3896	4.716	ug/l	96
56) Ethyl methacrylate	7.83	69	3905	3.902	ug/l	97
57) 1,3-Dichloropropane	8.05	76	6855	4.501	ug/l	99
59) 2-Hexanone	8.18	43	9746	19.480	ug/l	100
60) Dibromochloromethane	8.29	129	4230	4.300	ug/l	94
61) 1,2-Dibromoethane	8.40	107	3632	4.436	ug/l	99
64) Tetrachloroethene	8.02	164	4682	5.000	ug/l	97
65) Chlorobenzene	8.92	112	15514	4.938	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.02	131	5190	4.808	ug/l	95
67) Ethyl Benzene	9.05	91	26780	4.798	ug/l	98
68) m/p-Xylenes	9.18	106	20000	9.551	ug/l	100
69) o-Xylene	9.59	106	9262	4.748	ug/l	98
70) Stvrene	9.60	104	14200	4.464	ug/l	98
71) Bromoform	9.78	173	2087	3.957	ug/l #	92
73) Isopropylbenzene	9.97	105	25584	4.916	ug/l	99
74) N-amyl acetate	9.84	43	4365	3.970	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.28	83	4288	4.601	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	3779m	5.211	ug/l	
77) Bromobenzene	10.26	156	5715	4.946	ug/l	98
78) n-propylbenzene	10.40	91	31010	5.029	ug/l	98
79) 2-Chlorotoluene	10.47	91	19206	5.048	ug/l	96
80) 1,3,5-Trimethylbenzene	10.58	105	21291	4.828	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.05	75	1072	4.099	ug/l	88
82) 4-Chlorotoluene	10.58	91	23469	5.179	ug/l	98
83) tert-Butylbenzene	10.91	119	20105	4.794	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	21400	4.708	ug/l	99
85) sec-Butylbenzene	11.13	105	26981	5.006	ug/l	99
86) p-Isopropyltoluene	11.29	119	23734	4.966	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	12229	5.180	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	12599	5.259	ug/l	92
89) n-Butylbenzene	11.70	91	23413	4.974	ug/l	100
90) Hexachloroethane	11.95	117	4088	4.743	ug/l	98
91) 1,2-Dichlorobenzene	11.69	146	11015	5.218	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	681	4.218	ug/l	92
93) 1,2,4-Trichlorobenzene	13.31	180	6877	4.776	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
Data File : VV009230.D
Acq On : 22 Jan 2019 11:58
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00 G/5ML/MSVOA V/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
1/24/2019 11:43:36 AM

Quant Time: Jan 23 00:52:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 23 00:37:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	4423	5.441	ug/l	98
95) Naphthalene	13.56	128	11552	4.572	ug/l	98
96) 1,2,3-Trichlorobenzene	13.80	180	5744	4.700	ug/l	95

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

