

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032505.D
 Acq On : 11 Sep 2018 13:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:56 PM

Quant Time: Sep 12 06:56:06 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1384112	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3302185	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.29	117	3439172m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2582984	10.12	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.10	85	1195833m	6.75	ppbv	
3) Chlorodifluoromethane	3.04	51	1147987	9.16	ppbv	99
4) Chloromethane	3.20	50	681718	8.99	ppbv	100
5) Vinyl Chloride	3.32	62	647248	8.64	ppbv	97
6) Bromomethane	3.54	94	375134	9.54	ppbv	96
7) Chloroethane	3.63	64	235655	9.09	ppbv	94
8) Dichlorotetrafluoroethane	3.25	85	1357353	8.64	ppbv	97
9) Propene	3.06	41	567237	11.22	ppbv	100
10) Heptane	8.29	43	2009474	11.08	ppbv	99
11) Trichlorofluoromethane	4.04	101	1384349	8.67	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1193608	11.03	ppbv	99
13) Ethanol	3.68	45	134640	8.55	ppbv	96
14) Bromoethene	3.82	108	457259	9.98	ppbv	100
15) Acetone	3.93	43	1158033	9.29	ppbv	100
16) 1,3-Butadiene	3.39	39	538539	9.18	ppbv	94
17) tert-Butyl alcohol	4.39	59	181359	9.46	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	578485	11.70	ppbv	96
19) Isopropyl Alcohol	4.05	45	861992	10.54	ppbv #	98
20) Methylene Chloride	4.44	84	516593	10.87	ppbv	99
21) Allyl Chloride	4.51	41	1021082	12.33	ppbv	100
22) trans-1,2-Dichloroethene	5.00	96	556250	10.37	ppbv	92
23) Vinyl Acetate	5.19	43	2443533	11.83	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1733805	10.18	ppbv	100
25) Ethyl Acetate	5.81	43	2921662	9.93	ppbv	99
26) Hexane	5.82	57	1334749	10.13	ppbv	98
27) Carbon Disulfide	4.65	76	1450595	11.92	ppbv	100
28) Methyl tert-Butyl Ether	5.15	73	1915694	11.84	ppbv	99
29) Chloroform	5.89	83	1939530	9.65	ppbv	100
30) Cyclohexane	7.29	84	1209127	12.53	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1334509	11.18	ppbv	98
32) 1,1,1-Trichloroethane	6.66	97	1884813	10.06	ppbv	98
34) 2-Butanone	5.36	43	2012908	9.18	ppbv	100
35) Carbon Tetrachloride	7.18	117	2040814	9.20	ppbv	98
36) Benzene	7.05	78	2780679	9.90	ppbv	99
37) 1,2-Dichloroethane	6.45	62	1541289	8.95	ppbv	100
38) Trichloroethene	8.00	130	1007300	9.44	ppbv	97
39) 1,2-Dichloropropane	7.78	63	1209499	10.06	ppbv	98
40) 1,4-Dioxane	8.00	88	384484	10.66	ppbv	86
41) Tetrahydrofuran	6.19	42	1196013	10.02	ppbv	99
42) Bromodichloromethane	7.96	83	2271170	9.56	ppbv	99
43) Methyl Methacrylate	8.18	69	1223881	10.27	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032505.D
 Acq On : 11 Sep 2018 13:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:56 PM

Quant Time: Sep 12 06:56:06 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5210162	9.59	ppbv	99
45) t-1,3-Dichloropropene	9.46	75	1650774	12.94	ppbv	99
46) cis-1,3-Dichloropropene	8.88	75	1737053	10.66	ppbv	100
47) 1,1,2-Trichloroethane	9.66	97	1273969	9.97	ppbv	98
48) Dibromochloromethane	10.50	129	2047261	11.56	ppbv	99
49) Bromoform	13.25	173	1526845	9.92	ppbv	100
50) 4-Methyl-2-Pentanone	8.91	43	2997438	9.07	ppbv	100
51) 2-Hexanone	10.32	43	2831354	13.30	ppbv	100
52) Tetrachloroethene	11.42	164	897602	10.30	ppbv	98
53) Toluene	9.99	91	3599838	12.26	ppbv	100
54) 1,2-Dibromoethane	10.81	107	1884262	10.98	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.33	131	1364385	8.80	ppbv #	60
57) Chlorobenzene	12.35	112	2436138	8.86	ppbv	98
58) Ethyl Benzene	12.91	91	4455680	10.83	ppbv	98
59) m/p-Xylene	13.20	91	7160728m	19.52	ppbv	
60) o-Xylene	13.90	91	3538271	9.82	ppbv	100
61) Styrene	13.73	104	2631980	11.28	ppbv	99
62) Isopropylbenzene	14.88	105	4984919	9.84	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.88	83	2623481	8.14	ppbv	100
64) n-propylbenzene	15.77	120	1271394	9.60	ppbv	97
65) tert-Butylbenzene	16.96	119	4074144	9.33	ppbv	99
66) Benzyl Chloride	17.20	91	2444456	10.05	ppbv	100
67) sec-Butylbenzene	17.51	105	6147172	9.36	ppbv	99
69) p-Isopropyltoluene	17.86	119	4827999	9.49	ppbv	100
70) n-Butylbenzene	18.76	91	5250053	9.10	ppbv	99
71) 2-Chlorotoluene	15.67	91	3877279	10.02	ppbv	99
72) 4-Ethyltoluene	16.05	105	4076002	10.36	ppbv	99
73) 1,3,5-Trimethylbenzene	16.21	105	3849955	9.77	ppbv	97
74) 1,2,4-Trimethylbenzene	16.97	105	3804617	8.83	ppbv	94
75) 1,3-Dichlorobenzene	17.22	146	2089842	8.17	ppbv	99
76) 1,4-Dichlorobenzene	17.35	146	2076489	8.75	ppbv	98
77) 1,2-Dichlorobenzene	18.04	146	2058028	8.34	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	1191567	12.92	ppbv	100
79) Naphthalene	22.46	128	3210867	9.16	ppbv	99
80) Naphthalene, 2-methyl-	25.15	142	1031510	11.06	ppbv	99
81) 1,2,4-Trichlorobenzene	22.19	180	1507851	8.54	ppbv	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091018\
Data File : VL032505.D
Acq On : 11 Sep 2018 13:00
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
Client Sample ID :
VSTDCCC010EC

Manual Integrations
APPROVED

MMDadoda
9/12/2018 3:59:56 PM

Quant Time: Sep 12 06:56:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

