

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032748.D
 Acq On : 14 Nov 2018 6:16
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:30:30 PM

Quant Time: Nov 14 06:58:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 06:58:01 2018
 QLast Update : Wed Nov 14 05:38:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1618033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4142139	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4226238	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	3018401	9.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	2975549	16.123	ppbv	98
3) Chlorodifluoromethane	3.02	51	1689876	13.205	ppbv	100
4) Chloromethane	3.18	50	930361	13.081	ppbv	98
5) Vinyl Chloride	3.30	62	970724	12.617	ppbv	97
6) Bromomethane	3.52	94	632855	13.087	ppbv	93
7) Chloroethane	3.61	64	361951	12.728	ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	2306022	13.084	ppbv	99
9) Propene	3.04	41	708049	13.599	ppbv	99
10) Heptane	8.26	43	2918712	14.444	ppbv	98
11) Trichlorofluoromethane	4.01	101	2567084	11.721	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	2610172	14.747	ppbv	99
13) Ethanol	3.66	45	172147	11.701	ppbv	100
14) Bromoethene	3.80	108	807247	13.256	ppbv	98
15) Acetone	3.91	43	1645697	10.941	ppbv	100
16) 1,3-Butadiene	3.37	39	729877	12.800	ppbv	84
17) tert-Butyl alcohol	4.37	59	586933	13.813	ppbv	100
18) 1,1-Dichloroethene	4.36	96	1144287	14.330	ppbv	98
19) Isopropyl Alcohol	4.03	45	1129528	10.772	ppbv	99
20) Methylene Chloride	4.42	84	974244	12.731	ppbv	98
21) Allyl Chloride	4.49	41	1876288	15.592	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	1159827	14.120	ppbv	98
23) Vinyl Acetate	5.17	43	3872283	14.267	ppbv	100
24) 1,1-Dichloroethane	5.10	63	2642187	12.377	ppbv	100
25) Ethyl Acetate	5.78	43	4675938	13.583	ppbv	100
26) Hexane	5.79	57	2138152	13.192	ppbv	99
27) Carbon Disulfide	4.63	76	2751050	14.150	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	3205577	13.334	ppbv	99
29) Chloroform	5.86	83	3602899	13.740	ppbv	98
30) Cyclohexane	7.26	84	1982751	15.249	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	2329328	15.388	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	3894223	14.487	ppbv	100
34) 2-Butanone	5.34	43	3021619	13.592	ppbv	100
35) Carbon Tetrachloride	7.15	117	4180171	14.082	ppbv	98
36) Benzene	7.02	78	4672406	13.962	ppbv	99
37) 1,2-Dichloroethane	6.43	62	3003266	14.439	ppbv	99
38) Trichloroethene	7.98	130	1863021	14.865	ppbv	96
39) 1,2-Dichloropropane	7.75	63	1791628	13.870	ppbv	97
40) 1,4-Dioxane	7.97	88	660469	15.028	ppbv #	1
41) Tetrahydrofuran	6.16	42	1873639	15.225	ppbv	99
42) Bromodichloromethane	7.93	83	4182193	14.386	ppbv	100
43) Methyl Methacrylate	8.15	69	1928285	15.681	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032748.D
 Acq On : 14 Nov 2018 6:16
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:30:30 PM

Quant Time: Nov 14 06:58:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 06:58:01 2018
 QLast Update : Wed Nov 14 05:38:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	7760567	13.574	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	2900955	17.618	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	3263888	17.068	ppbv	96
47) 1,1,2-Trichloroethane	9.63	97	2124257	13.916	ppbv	99
48) Dibromochloromethane	10.47	129	3652289	14.204	ppbv	99
49) Bromoform	13.21	173	3042631	15.070	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	4971946	14.948	ppbv	100
51) 2-Hexanone	10.28	43	3435732	14.352	ppbv #	100
52) Tetrachloroethene	11.38	164	1660685	14.162	ppbv	97
53) Toluene	9.96	91	5482112	14.493	ppbv	100
54) 1,2-Dibromoethane	10.78	107	3061096	14.910	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	2458749	13.097	ppbv	95
57) Chlorobenzene	12.32	112	4099481	13.038	ppbv	99
58) Ethyl Benzene	12.88	91	7352630	14.822	ppbv	99
59) m/p-Xylene	13.16	91	12211619m	27.662	ppbv	
60) o-Xylene	13.86	91	5972381	13.929	ppbv	99
61) Styrene	13.70	104	4581499	15.970	ppbv	100
62) Isopropylbenzene	14.84	105	8413753	13.891	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	4129951	12.390	ppbv	99
64) n-propylbenzene	15.73	120	2275404	15.002	ppbv	95
65) tert-Butylbenzene	16.92	119	7257376	13.902	ppbv	99
66) Benzyl Chloride	17.17	91	4839416	17.753	ppbv	100
67) sec-Butylbenzene	17.47	105	10678566	14.407	ppbv	99
69) p-Isopropyltoluene	17.83	119	8826004	14.993	ppbv	100
70) n-Butylbenzene	18.73	91	8874105	14.697	ppbv	99
71) 2-Chlorotoluene	15.63	91	6625413	15.230	ppbv	99
72) 4-Ethyltoluene	16.01	105	7269890	15.750	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	6824834	15.170	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	6587090	13.730	ppbv #	92
75) 1,3-Dichlorobenzene	17.18	146	3875915	14.024	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	3878171	15.173	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	3754650	14.398	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1651389m	12.498	ppbv	
79) Naphthalene	22.42	128	5581685	18.495	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	1871204	25.902	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	2668934	17.293	ppbv	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111418\
Data File : VL032748.D
Acq On : 14 Nov 2018 6:16
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Manual Integrations
APPROVED

MMDadoda
11/16/2018 1:30:30 PM

Quant Time: Nov 14 06:58:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

