

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033927.D
 Acq On : 14 Jun 2019 12:57
 Operator : SY/AP
 Sample : VL0613ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:46 AM

Quant Time: Jun 14 13:50:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1020659	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2379947	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2525455m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	2108565	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1243683	7.509 ppbv	99
3) Chlorodifluoromethane	3.00	51	1100748	9.161 ppbv	98
4) Chloromethane	3.16	50	636378	9.285 ppbv	99
5) Vinyl Chloride	3.28	62	639324	10.054 ppbv	99
6) Bromomethane	3.50	94	397209	9.402 ppbv	98
7) Chloroethane	3.59	64	235259	9.354 ppbv	99
8) Dichlorotetrafluoroethane	3.21	85	1575014	8.898 ppbv	97
9) Propene	3.03	41	491796	10.939 ppbv	98
10) Heptane	8.23	43	1325386	11.663 ppbv	99
11) Trichlorofluoromethane	3.99	101	1901881	8.900 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1268103	8.780 ppbv	100
13) Ethanol	3.64	45	115796	7.916 ppbv	98
14) Bromoethene	3.78	108	533404	9.911 ppbv	100
15) Acetone	3.89	43	1230164	8.264 ppbv	100
16) 1,3-Butadiene	3.35	39	568713	10.038 ppbv	98
17) tert-Butyl alcohol	4.35	59	1197576	10.291 ppbv	100
18) 1,1-Dichloroethene	4.34	96	563542	9.238 ppbv	98
19) Isopropyl Alcohol	4.01	45	907739	10.674 ppbv	100
20) Methylene Chloride	4.39	84	486077	8.373 ppbv	98
21) Allyl Chloride	4.46	41	835394	9.879 ppbv	99
22) trans-1,2-Dichloroethene	4.95	96	593352	9.227 ppbv	96
23) Vinyl Acetate	5.14	43	1897180	10.965 ppbv	99
24) 1,1-Dichloroethane	5.08	63	1291509	9.597 ppbv	99
25) Ethyl Acetate	5.76	43	2289301	10.098 ppbv	100
26) Hexane	5.76	57	1006028	9.747 ppbv	99
27) Carbon Disulfide	4.61	76	1432632	9.990 ppbv	99
28) Methyl tert-Butyl Ether	5.10	73	1723382	11.041 ppbv	99
29) Chloroform	5.84	83	1667122	9.430 ppbv	98
30) Cyclohexane	7.23	84	850214	11.658 ppbv	98
31) cis-1,2-Dichloroethene	5.63	61	1021735	11.288 ppbv	96
32) 1,1,1-Trichloroethane	6.61	97	1699919	9.968 ppbv	99
34) 2-Butanone	5.32	43	1491140	11.106 ppbv	98
35) Carbon Tetrachloride	7.12	117	1872382	10.183 ppbv	99
36) Benzene	6.99	78	2054742	11.302 ppbv	99
37) 1,2-Dichloroethane	6.40	62	1264795	9.407 ppbv	99
38) Trichloroethene	7.95	130	840429	11.873 ppbv	97
39) 1,2-Dichloropropane	7.72	63	773638	11.026 ppbv	93
40) 1,4-Dioxane	7.94	88	328873	11.492 ppbv	91
41) Tetrahydrofuran	6.14	42	820741	12.044 ppbv	99
42) Bromodichloromethane	7.90	83	1861601	10.361 ppbv	97
43) Methyl Methacrylate	8.12	69	824685	12.129 ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033927.D
 Acq On : 14 Jun 2019 12:57
 Operator : SY/AP
 Sample : VL0613ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:46 AM

Quant Time: Jun 14 13:50:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3554770	10.995	ppbv	99
45) t-1,3-Dichloropropene	9.40	75	1092543	12.246	ppbv	99
46) cis-1,3-Dichloropropene	8.82	75	1261092	12.338	ppbv	98
47) 1,1,2-Trichloroethane	9.60	97	830942	9.934	ppbv	97
48) Dibromochloromethane	10.44	129	1553861	10.337	ppbv	99
49) Bromoform	13.19	173	1410207	10.627	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2253074	11.254	ppbv	99
51) 2-Hexanone	10.25	43	1807798	11.563	ppbv #	100
52) Tetrachloroethene	11.36	164	742368	11.605	ppbv	96
53) Toluene	9.93	91	2316554	11.515	ppbv	99
54) 1,2-Dibromoethane	10.74	107	1315540	10.433	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.26	131	1055825	9.570	ppbv	97
57) Chlorobenzene	12.29	112	1845732	9.758	ppbv	99
58) Ethyl Benzene	12.85	91	3198579	11.234	ppbv	96
59) m/p-Xylene	13.14	91	5292301m	20.440	ppbv	
60) o-Xylene	13.83	91	2975021	11.128	ppbv	100
61) Styrene	13.67	104	2176002	12.578	ppbv	100
62) Isopropylbenzene	14.81	105	3953200	10.971	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.82	83	2109745	10.484	ppbv	99
64) n-propylbenzene	15.71	120	1027980	11.141	ppbv	99
65) tert-Butylbenzene	16.89	119	3694271	11.081	ppbv	100
66) Benzyl Chloride	17.14	91	2004745	11.866	ppbv	100
67) sec-Butylbenzene	17.44	105	5157634	11.027	ppbv	100
69) p-Isopropyltoluene	17.80	119	4296449	11.040	ppbv	100
70) n-Butylbenzene	18.70	91	4575669	10.735	ppbv	100
71) 2-Chlorotoluene	15.60	91	3021415	11.382	ppbv	99
72) 4-Ethyltoluene	15.99	105	3503424	11.516	ppbv	99
73) 1,3,5-Trimethylbenzene	16.14	105	3347968	11.172	ppbv	98
74) 1,2,4-Trimethylbenzene	16.91	105	3572084	10.342	ppbv	95
75) 1,3-Dichlorobenzene	17.15	146	2058688	9.518	ppbv	100
76) 1,4-Dichlorobenzene	17.29	146	2009934	10.120	ppbv	100
77) 1,2-Dichlorobenzene	17.97	146	1955124	9.795	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	1359747	8.722	ppbv	99
79) Naphthalene	22.39	128	2619620	9.489	ppbv	99
80) Naphthalene, 2-methyl-	25.10	142	987341	8.964	ppbv	96
81) 1,2,4-Trichlorobenzene	22.12	180	1539333	8.832	ppbv	99

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

