

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032432.D
 Acq On : 31 Aug 2018 1:11
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:24 AM

Quant Time: Aug 31 21:22:52 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 04:25:10 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2157543	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4237559	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4260596	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	3079753	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.11	85	617529	3.20	ppbv	99
3) Chlorodifluoromethane	3.05	51	406760	2.18	ppbv	99
4) Chloromethane	3.20	50	250565	2.19	ppbv	93
5) Vinyl Chloride	3.32	62	225419	2.23	ppbv	96
6) Bromomethane	3.55	94	125387	2.04	ppbv	95
7) Chloroethane	3.63	64	83731	2.10	ppbv	95
8) Dichlorotetrafluoroethane	3.25	85	514572	2.17	ppbv	100
9) Propene	3.07	41	163970	2.22	ppbv	100
10) Heptane	8.30	43	609485	2.28	ppbv	99
11) Trichlorofluoromethane	4.04	101	506139	2.09	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.59	101	355675	2.20	ppbv	97
13) Ethanol	3.69	45	50838m	2.13	ppbv	
14) Bromoethene	3.82	108	141458	2.01	ppbv	96
15) Acetone	3.94	43	404096	1.96	ppbv	99
16) 1,3-Butadiene	3.40	39	193121	2.25	ppbv	91
17) tert-Butyl alcohol	4.40	59	55512m	1.64	ppbv	
18) 1,1-Dichloroethene	4.39	96	159538	2.15	ppbv	94
19) Isopropyl Alcohol	4.07	45	241511	1.86	ppbv #	96
20) Methylene Chloride	4.45	84	151886	1.99	ppbv	97
21) Allyl Chloride	4.52	41	263107	2.03	ppbv	99
22) trans-1,2-Dichloroethene	5.01	96	158754	1.98	ppbv	97
23) Vinyl Acetate	5.20	43	681988	2.15	ppbv	98
24) 1,1-Dichloroethane	5.13	63	546408	2.15	ppbv	99
25) Ethyl Acetate	5.82	43	965262	2.22	ppbv	100
26) Hexane	5.83	57	439140	2.26	ppbv	96
27) Carbon Disulfide	4.66	76	393624	2.11	ppbv	98
28) Methyl tert-Butyl Ether	5.16	73	527002	2.19	ppbv	99
29) Chloroform	5.89	83	661766	2.20	ppbv	92
30) Cyclohexane	7.30	84	300995	2.09	ppbv #	80
31) cis-1,2-Dichloroethene	5.68	61	385719	2.17	ppbv	97
32) 1,1,1-Trichloroethane	6.67	97	587201	2.26	ppbv	99
34) 2-Butanone	5.38	43	607862	2.25	ppbv	100
35) Carbon Tetrachloride	7.18	117	575187	2.19	ppbv	99
36) Benzene	7.05	78	762551	2.17	ppbv	98
37) 1,2-Dichloroethane	6.46	62	461736	2.12	ppbv	100
38) Trichloroethene	8.01	130	286274	2.44	ppbv	94
39) 1,2-Dichloropropane	7.78	63	324616	2.20	ppbv	94
40) 1,4-Dioxane	8.03	88	86013	1.96	ppbv #	50
41) Tetrahydrofuran	6.21	42	329447	2.28	ppbv	99
42) Bromodichloromethane	7.96	83	651773	2.19	ppbv	99
43) Methyl Methacrylate	8.19	69	329144	2.28	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032432.D
 Acq On : 31 Aug 2018 1:11
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:24 AM

Quant Time: Aug 31 21:22:52 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 2018
 QLast Update : Fri Aug 31 04:25:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	1525791	2.33	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	342828	2.00	ppbv	100
46) cis-1,3-Dichloropropene	8.89	75	439866	2.09	ppbv	99
47) 1,1,2-Trichloroethane	9.67	97	359173	2.28	ppbv	100
48) Dibromochloromethane	10.51	129	479845	2.16	ppbv	99
49) Bromoform	13.25	173	426535	2.18	ppbv	99
50) 4-Methyl-2-Pentanone	8.93	43	943529	2.26	ppbv	99
51) 2-Hexanone	10.33	43	612858	2.22	ppbv #	96
52) Tetrachloroethene	11.43	164	236465	2.35	ppbv	96
53) Toluene	10.00	91	893664	2.43	ppbv	99
54) 1,2-Dibromoethane	10.82	107	445175	1.95	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.34	131	401587	2.19	ppbv #	1
57) Chlorobenzene	12.36	112	718571	2.20	ppbv	96
58) Ethyl Benzene	12.92	91	1137001	2.34	ppbv	97
59) m/p-Xylene	13.20	91	1978540m	4.57	ppbv	
60) o-Xylene	13.90	91	1011195	2.43	ppbv	100
61) Styrene	13.74	104	643334	2.30	ppbv	99
62) Isopropylbenzene	14.88	105	1388857	2.36	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.89	83	838405	2.31	ppbv	100
64) n-propylbenzene	15.78	120	361492	2.35	ppbv	89
65) tert-Butylbenzene	16.96	119	1239017	2.45	ppbv	98
66) Benzyl Chloride	17.21	91	644927	2.06	ppbv	100
67) sec-Butylbenzene	17.51	105	1841779	2.45	ppbv	99
69) p-Isopropyltoluene	17.87	119	1456171	2.53	ppbv	99
70) n-Butylbenzene	18.76	91	1662698	2.60	ppbv	97
71) 2-Chlorotoluene	15.67	91	1078127	2.40	ppbv	98
72) 4-Ethyltoluene	16.05	105	1090619	2.41	ppbv	98
73) 1,3,5-Trimethylbenzene	16.21	105	1102505	2.55	ppbv	97
74) 1,2,4-Trimethylbenzene	16.98	105	1216000	2.60	ppbv	98
75) 1,3-Dichlorobenzene	17.22	146	679489	2.28	ppbv	98
76) 1,4-Dichlorobenzene	17.36	146	638748	2.33	ppbv	99
77) 1,2-Dichlorobenzene	18.05	146	681385	2.38	ppbv	99
78) Hexachloro-1,3-Butadiene	23.60	225	240429m	1.95	ppbv	
79) Naphthalene	22.48	128	1001372	3.22	ppbv	99
80) Naphthalene, 2-methyl-	25.16	142	239191	2.94	ppbv	99
81) 1,2,4-Trichlorobenzene	22.20	180	501087	2.97	ppbv	99

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

