

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032433.D
 Acq On : 31 Aug 2018 1:49
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:28 AM

Quant Time: Aug 31 21:24:05 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	2080711	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4190563	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4074396	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	3025609	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.11	85	310201	1.66	ppbv	98
3) Chlorodifluoromethane	3.04	51	204997	1.14	ppbv	97
4) Chloromethane	3.20	50	118370	1.07	ppbv	99
5) Vinyl Chloride	3.33	62	111103	1.14	ppbv	98
6) Bromomethane	3.55	94	63048	1.06	ppbv	99
7) Chloroethane	3.64	64	40074	1.04	ppbv	89
8) Dichlorotetrafluoroethane	3.25	85	257484	1.12	ppbv	100
9) Propene	3.07	41	73571	1.03	ppbv	98
10) Heptane	8.30	43	273154	1.06	ppbv	97
11) Trichlorofluoromethane	4.04	101	267431	1.15	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.59	101	176622	1.13	ppbv	96
13) Ethanol	3.70	45	30317m	1.32	ppbv	
14) Bromoethene	3.83	108	72388	1.07	ppbv	98
15) Acetone	3.95	43	210032	1.06	ppbv	99
16) 1,3-Butadiene	3.40	39	89001	1.08	ppbv	95
17) tert-Butyl alcohol	4.42	59	30329m	0.93	ppbv	
18) 1,1-Dichloroethene	4.40	96	75807	1.06	ppbv	89
19) Isopropyl Alcohol	4.08	45	133362	1.07	ppbv #	95
20) Methylene Chloride	4.45	84	77682	1.05	ppbv	96
21) Allyl Chloride	4.52	41	129986	1.04	ppbv	98
22) trans-1,2-Dichloroethene	5.01	96	87263	1.13	ppbv	92
23) Vinyl Acetate	5.20	43	318364	1.04	ppbv #	98
24) 1,1-Dichloroethane	5.13	63	278668	1.14	ppbv	100
25) Ethyl Acetate	5.82	43	464202	1.11	ppbv	99
26) Hexane	5.83	57	204305	1.09	ppbv	91
27) Carbon Disulfide	4.67	76	183702	1.02	ppbv #	89
28) Methyl tert-Butyl Ether	5.17	73	248033	1.07	ppbv	100
29) Chloroform	5.89	83	316748	1.09	ppbv	98
30) Cyclohexane	7.31	84	135830	0.98	ppbv	96
31) cis-1,2-Dichloroethene	5.68	61	176567	1.03	ppbv	89
32) 1,1,1-Trichloroethane	6.67	97	293097	1.17	ppbv	98
34) 2-Butanone	5.38	43	297214	1.11	ppbv	97
35) Carbon Tetrachloride	7.18	117	283756	1.09	ppbv	99
36) Benzene	7.05	78	369721	1.07	ppbv	95
37) 1,2-Dichloroethane	6.46	62	231771	1.08	ppbv	100
38) Trichloroethene	8.01	130	145807	1.26	ppbv	92
39) 1,2-Dichloropropane	7.78	63	156142	1.07	ppbv	94
40) 1,4-Dioxane	8.04	88	54620m	1.26	ppbv	
41) Tetrahydrofuran	6.22	42	149221	1.05	ppbv	97
42) Bromodichloromethane	7.96	83	320131	1.09	ppbv	98
43) Methyl Methacrylate	8.19	69	145894	1.02	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032433.D
 Acq On : 31 Aug 2018 1:49
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:28 AM

Quant Time: Aug 31 21:24:05 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	777653	1.20	ppbv	97
45) t-1,3-Dichloropropene	9.47	75	137503m	0.81	ppbv	
46) cis-1,3-Dichloropropene	8.89	75	191549	0.92	ppbv	99
47) 1,1,2-Trichloroethane	9.66	97	178752m	1.15	ppbv	
48) Dibromochloromethane	10.50	129	232312	1.06	ppbv	98
49) Bromoform	13.25	173	200073	1.04	ppbv	98
50) 4-Methyl-2-Pentanone	8.94	43	425786	1.03	ppbv	97
51) 2-Hexanone	10.34	43	258022	0.94	ppbv #	93
52) Tetrachloroethene	11.42	164	114440	1.15	ppbv	91
53) Toluene	10.00	91	339205	0.93	ppbv	96
54) 1,2-Dibromoethane	10.81	107	231153m	1.03	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.33	131	203549	1.16	ppbv #	1
57) Chlorobenzene	12.35	112	358077	1.15	ppbv	98
58) Ethyl Benzene	12.92	91	479945	1.03	ppbv	97
59) m/p-Xylene	13.21	91	915404m	2.21	ppbv	
60) o-Xylene	13.91	91	462412	1.16	ppbv	98
61) Styrene	13.74	104	260666	0.98	ppbv	99
62) Isopropylbenzene	14.88	105	630666	1.12	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.89	83	416369	1.20	ppbv	99
64) n-propylbenzene	15.78	120	164073	1.11	ppbv	87
65) tert-Butylbenzene	16.96	119	560183	1.16	ppbv	96
66) Benzyl Chloride	17.21	91	276897	0.92	ppbv	98
67) sec-Butylbenzene	17.51	105	846392	1.18	ppbv	100
69) p-Isopropyltoluene	17.86	119	640270	1.16	ppbv	98
70) n-Butylbenzene	18.77	91	746794	1.22	ppbv	97
71) 2-Chlorotoluene	15.67	91	467381	1.09	ppbv	99
72) 4-Ethyltoluene	16.05	105	478827	1.11	ppbv	98
73) 1,3,5-Trimethylbenzene	16.21	105	490154	1.18	ppbv	95
74) 1,2,4-Trimethylbenzene	16.98	105	565434	1.27	ppbv #	88
75) 1,3-Dichlorobenzene	17.21	146	336809	1.18	ppbv	99
76) 1,4-Dichlorobenzene	17.36	146	304992m	1.16	ppbv	
77) 1,2-Dichlorobenzene	18.04	146	322183	1.18	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	121030m	1.02	ppbv	
79) Naphthalene	22.48	128	409152	1.38	ppbv	97
80) Naphthalene, 2-methyl-	25.16	142	65609	0.84	ppbv	97
81) 1,2,4-Trichlorobenzene	22.20	180	209424	1.30	ppbv	98

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

