

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032778.D
 Acq On : 20 Nov 2018 14:13
 Operator : SY/AP
 Sample : VL1120ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:18:40 AM

Quant Time: Nov 21 04:33:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1499072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3883577	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3794393	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2674487	9.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	1618801	7.512 ppbv	98
3) Chlorodifluoromethane	3.02	51	1041851	8.766 ppbv	100
4) Chloromethane	3.18	50	565417	8.580 ppbv	99
5) Vinyl Chloride	3.30	62	594786	8.518 ppbv	100
6) Bromomethane	3.52	94	393159	9.204 ppbv	96
7) Chloroethane	3.61	64	229534	9.120 ppbv #	88
8) Dichlorotetrafluoroethane	3.23	85	1479473	8.713 ppbv	98
9) Propene	3.04	41	432017	9.083 ppbv	100
10) Heptane	8.26	43	1833549	10.098 ppbv	99
11) Trichlorofluoromethane	4.01	101	2547901	12.547 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1740662	10.494 ppbv	96
13) Ethanol	3.66	45	113163	7.264 ppbv	98
14) Bromoethene	3.80	108	507184	9.216 ppbv	99
15) Acetone	3.91	43	1088140	7.948 ppbv	98
16) 1,3-Butadiene	3.37	39	493787	9.314 ppbv	90
17) tert-Butyl alcohol	4.37	59	439861	10.244 ppbv	98
18) 1,1-Dichloroethene	4.36	96	794302	9.738 ppbv	96
19) Isopropyl Alcohol	4.03	45	1125503	12.341 ppbv	100
20) Methylene Chloride	4.42	84	701077	9.892 ppbv	94
21) Allyl Chloride	4.49	41	1245945	10.830 ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	763790	9.590 ppbv	94
23) Vinyl Acetate	5.17	43	2392378	9.587 ppbv	99
24) 1,1-Dichloroethane	5.10	63	1819094	9.169 ppbv	99
25) Ethyl Acetate	5.78	43	3058656	9.586 ppbv	99
26) Hexane	5.79	57	1448356	10.197 ppbv	98
27) Carbon Disulfide	4.63	76	1897953	10.538 ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2262470	9.989 ppbv	99
29) Chloroform	5.86	83	2466103	9.742 ppbv	96
30) Cyclohexane	7.26	84	1274721	10.261 ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1415303	9.911 ppbv	100
32) 1,1,1-Trichloroethane	6.63	97	2483373	8.950 ppbv	99
34) 2-Butanone	5.34	43	1881646	9.342 ppbv	98
35) Carbon Tetrachloride	7.15	117	2736123	8.764 ppbv	98
36) Benzene	7.02	78	2982084	9.643 ppbv	100
37) 1,2-Dichloroethane	6.43	62	1845985	8.867 ppbv	99
38) Trichloroethene	7.98	130	1249068	9.980 ppbv	99
39) 1,2-Dichloropropane	7.75	63	1107506	9.399 ppbv	98
40) 1,4-Dioxane	7.97	88	417373	9.917 ppbv #	1
41) Tetrahydrofuran	6.16	42	1152630	9.976 ppbv	100
42) Bromodichloromethane	7.93	83	2624236	9.299 ppbv	98
43) Methyl Methacrylate	8.15	69	1165050	10.091 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4995869	9.667	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1712120	11.052	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1987035	10.616	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1328987	9.539	ppbv	97
48) Dibromochloromethane	10.47	129	2366841	9.995	ppbv	99
49) Bromoform	13.22	173	2067287	10.571	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3017738	9.592	ppbv	98
51) 2-Hexanone	10.29	43	2118528	10.452	ppbv #	99
52) Tetrachloroethene	11.39	164	1108823	10.307	ppbv	99
53) Toluene	9.96	91	3548252	10.998	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1975223	10.029	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.30	131	1653052	9.340	ppbv	99
57) Chlorobenzene	12.32	112	2702844	9.305	ppbv	99
58) Ethyl Benzene	12.88	91	4770663	10.447	ppbv	98
59) m/p-Xylene	13.14	91	8055021m	19.815	ppbv	
60) o-Xylene	13.87	91	3875983	9.483	ppbv	99
61) Styrene	13.70	104	2913819	10.951	ppbv	99
62) Isopropylbenzene	14.84	105	5625658	10.182	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2646575	8.306	ppbv	99
64) n-propylbenzene	15.74	120	1427820	9.825	ppbv	95
65) tert-Butylbenzene	16.92	119	4985403	10.066	ppbv	97
66) Benzyl Chloride	17.17	91	2704597	9.878	ppbv	99
67) sec-Butylbenzene	17.48	105	6892674	9.657	ppbv	99
69) p-Isopropyltoluene	17.83	119	5902937	10.401	ppbv	98
70) n-Butylbenzene	18.73	91	5545405	9.623	ppbv	99
71) 2-Chlorotoluene	15.63	91	4066220	9.869	ppbv	98
72) 4-Ethyltoluene	16.02	105	4508619	10.063	ppbv	98
73) 1,3,5-Trimethylbenzene	16.17	105	4283871	9.780	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	4399175	9.385	ppbv	98
75) 1,3-Dichlorobenzene	17.18	146	2460159	9.150	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2401244	9.561	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	2370974	9.532	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1048189	7.808	ppbv	100
79) Naphthalene	22.43	128	3184348	10.341	ppbv	99
80) Naphthalene, 2-methyl-	25.13	142	854806	11.084	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1656328	10.711	ppbv	98

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

