

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032871.D
 Acq On : 1 Dec 2018 5:25
 Operator : SY/AP
 Sample : VL1130ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 4:17:19 PM

Quant Time: Dec 01 05:57:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
 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	5.77	49	1343265	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3396300	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3558698m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2536080	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1681171	8.707 ppbv	97
3) Chlorodifluoromethane	3.02	51	1029860	9.671 ppbv	100
4) Chloromethane	3.17	50	566800	9.598 ppbv	100
5) Vinyl Chloride	3.30	62	578377	9.243 ppbv	97
6) Bromomethane	3.52	94	388160	10.141 ppbv	90
7) Chloroethane	3.61	64	226703	10.053 ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1434059	9.425 ppbv	97
9) Propene	3.04	41	438835	10.297 ppbv	100
10) Heptane	8.26	43	1776256	10.917 ppbv	99
11) Trichlorofluoromethane	4.01	101	2171689	11.935 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1423741	9.579 ppbv	97
13) Ethanol	3.65	45	105931	7.589 ppbv	100
14) Bromoethene	3.79	108	499962	10.139 ppbv	98
15) Acetone	3.91	43	1435936	11.706 ppbv	99
16) 1,3-Butadiene	3.37	39	487880	10.270 ppbv	93
17) tert-Butyl alcohol	4.36	59	436771	11.352 ppbv	100
18) 1,1-Dichloroethene	4.36	96	767460	10.500 ppbv	97
19) Isopropyl Alcohol	4.03	45	994240	12.166 ppbv	100
20) Methylene Chloride	4.42	84	555596	8.749 ppbv	99
21) Allyl Chloride	4.48	41	1021055	9.905 ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	747795	10.478 ppbv	95
23) Vinyl Acetate	5.16	43	2459709	11.000 ppbv	99
24) 1,1-Dichloroethane	5.10	63	1800287	10.127 ppbv	99
25) Ethyl Acetate	5.78	43	3065074	10.721 ppbv	100
26) Hexane	5.79	57	1431920	11.251 ppbv	99
27) Carbon Disulfide	4.62	76	1924762	11.927 ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	2310200	11.383 ppbv	100
29) Chloroform	5.86	83	2370018	10.448 ppbv	96
30) Cyclohexane	7.26	84	1231973	11.067 ppbv	96
31) cis-1,2-Dichloroethene	5.65	61	1464155	11.442 ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2419282	9.730 ppbv	99
34) 2-Butanone	5.34	43	1893767	10.751 ppbv	99
35) Carbon Tetrachloride	7.14	117	2584182	9.465 ppbv	100
36) Benzene	7.02	78	2917615	10.788 ppbv	99
37) 1,2-Dichloroethane	6.42	62	1790386	9.834 ppbv	99
38) Trichloroethene	7.97	130	1195294	10.921 ppbv	98
39) 1,2-Dichloropropane	7.75	63	1076457	10.447 ppbv	98
40) 1,4-Dioxane	7.97	88	378651	10.288 ppbv	# 1
41) Tetrahydrofuran	6.16	42	1136324	11.246 ppbv	99
42) Bromodichloromethane	7.93	83	2504391	10.148 ppbv	99
43) Methyl Methacrylate	8.15	69	1140413	11.295 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4754221	10.519	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1706704	12.597	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1804344	11.023	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1278890	10.496	ppbv	98
48) Dibromochloromethane	10.46	129	2252362	10.876	ppbv	100
49) Bromoform	13.21	173	1905746	11.143	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2782414	10.113	ppbv	100
51) 2-Hexanone	10.28	43	2098874	11.841	ppbv	100
52) Tetrachloroethene	11.39	164	1056973	11.235	ppbv	97
53) Toluene	9.96	91	3397440	12.041	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1906634	11.070	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.29	131	1592490	9.594	ppbv	99
57) Chlorobenzene	12.31	112	2619016	9.614	ppbv	97
58) Ethyl Benzene	12.88	91	4651424	10.861	ppbv	96
59) m/p-Xylene	13.16	91	7685846m	20.159	ppbv	
60) o-Xylene	13.86	91	3737863	9.750	ppbv	99
61) Styrene	13.70	104	2841720	11.387	ppbv	98
62) Isopropylbenzene	14.84	105	5400726	10.423	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2590112	8.667	ppbv	100
64) n-propylbenzene	15.74	120	1374710	10.086	ppbv	95
65) tert-Butylbenzene	16.92	119	4762290	10.253	ppbv	97
66) Benzyl Chloride	17.17	91	2667598	10.388	ppbv	99
67) sec-Butylbenzene	17.47	105	6663686	9.954	ppbv	100
69) p-Isopropyltoluene	17.83	119	5425205	10.193	ppbv	99
70) n-Butylbenzene	18.72	91	5328026	9.858	ppbv	99
71) 2-Chlorotoluene	15.63	91	3934348	10.181	ppbv	98
72) 4-Ethyltoluene	16.02	105	4336172	10.319	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4121069	10.031	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	4172329	9.490	ppbv	95
75) 1,3-Dichlorobenzene	17.18	146	2338917	9.275	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2285814	9.704	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2278012	9.764	ppbv	98
78) Hexachloro-1,3-Butadiene	23.55	225	1094633	8.694	ppbv	99
79) Naphthalene	22.42	128	2922970	10.121	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	725574	10.031	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1463594	10.092	ppbv	100

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

