

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032832.D
 Acq On : 29 Nov 2018 12:48
 Operator : SY/AP
 Sample : VL1129ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Manual Integrations
 APPROVED

apatel
 12/4/2018 8:38:25 AM

Quant Time: Nov 30 06:49:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 2018
 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	1444209	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3776487	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3725913m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2894271	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1886192	9.086	ppbv	100
3) Chlorodifluoromethane	3.02	51	1069938	9.345	ppbv	99
4) Chloromethane	3.18	50	566377	8.921	ppbv	100
5) Vinyl Chloride	3.30	62	596565	8.868	ppbv	99
6) Bromomethane	3.52	94	400155	9.723	ppbv	94
7) Chloroethane	3.61	64	237980	9.815	ppbv	94
8) Dichlorotetrafluoroethane	3.23	85	1511691	9.241	ppbv	97
9) Propene	3.04	41	423359	9.240	ppbv	99
10) Heptane	8.26	43	1798257	10.280	ppbv	100
11) Trichlorofluoromethane	4.01	101	2392353	12.228	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1606059	10.050	ppbv	97
13) Ethanol	3.66	45	149936	9.990	ppbv	99
14) Bromoethene	3.80	108	727660	13.725	ppbv	99
15) Acetone	3.91	43	1509849	11.448	ppbv	100
16) 1,3-Butadiene	3.37	39	498752	9.765	ppbv	94
17) tert-Butyl alcohol	4.37	59	385786	9.326	ppbv	100
18) 1,1-Dichloroethene	4.36	96	733956	9.340	ppbv	98
19) Isopropyl Alcohol	4.03	45	1039044	11.826	ppbv	99
20) Methylene Chloride	4.42	84	691615	10.129	ppbv	95
21) Allyl Chloride	4.49	41	1135181	10.242	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	813541	10.602	ppbv	93
23) Vinyl Acetate	5.17	43	2388474	9.935	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1874454	9.807	ppbv	99
25) Ethyl Acetate	5.78	43	2982847	9.704	ppbv	100
26) Hexane	5.79	57	1390974	10.165	ppbv	99
27) Carbon Disulfide	4.63	76	1938153	11.170	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2293214	10.509	ppbv	100
29) Chloroform	5.86	83	2489944	10.209	ppbv	97
30) Cyclohexane	7.26	84	1255762	10.493	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1423439	10.347	ppbv	100
32) 1,1,1-Trichloroethane	6.63	97	2527091	9.453	ppbv	99
34) 2-Butanone	5.34	43	1904789	9.725	ppbv	100
35) Carbon Tetrachloride	7.15	117	2772639	9.133	ppbv	99
36) Benzene	7.02	78	2946578	9.798	ppbv	98
37) 1,2-Dichloroethane	6.43	62	1932012	9.544	ppbv	100
38) Trichloroethene	7.98	130	1240629	10.194	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1102938	9.626	ppbv	99
40) 1,4-Dioxane	7.97	88	404662	9.888	ppbv	93
41) Tetrahydrofuran	6.16	42	1122935	9.995	ppbv	99
42) Bromodichloromethane	7.93	83	2668313	9.723	ppbv	100
43) Methyl Methacrylate	8.15	69	1168354	10.407	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4960762	9.871	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1728984	11.477	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	1977749	10.866	ppbv	100
47) 1,1,2-Trichloroethane	9.63	97	1345548	9.931	ppbv	96
48) Dibromochloromethane	10.46	129	2354908	10.227	ppbv	100
49) Bromoform	13.22	173	2028733	10.668	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3005694	9.825	ppbv	99
51) 2-Hexanone	10.28	43	2073254	10.519	ppbv #	100
52) Tetrachloroethene	11.39	164	1103475	10.548	ppbv	99
53) Toluene	9.96	91	3412309	10.877	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1959772	10.233	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1647955	9.483	ppbv	99
57) Chlorobenzene	12.32	112	2697347	9.457	ppbv	99
58) Ethyl Benzene	12.88	91	4743516	10.579	ppbv	99
59) m/p-Xylene	13.16	91	7870168m	19.716	ppbv	
60) o-Xylene	13.87	91	3932122	9.797	ppbv	100
61) Styrene	13.70	104	2876019	11.007	ppbv	99
62) Isopropylbenzene	14.84	105	5574971	10.276	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2718532	8.689	ppbv	100
64) n-propylbenzene	15.74	120	1415357	9.919	ppbv	97
65) tert-Butylbenzene	16.92	119	4947470	10.173	ppbv	98
66) Benzyl Chloride	17.17	91	2765814	10.287	ppbv	100
67) sec-Butylbenzene	17.47	105	6868319	9.800	ppbv	100
69) p-Isopropyltoluene	17.83	119	5618262	10.082	ppbv	99
70) n-Butylbenzene	18.73	91	5566508	9.837	ppbv	99
71) 2-Chlorotoluene	15.63	91	4090225	10.110	ppbv	99
72) 4-Ethyltoluene	16.02	105	4477495	10.178	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4561142	10.604	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4372827	9.500	ppbv	98
75) 1,3-Dichlorobenzene	17.18	146	2457265	9.307	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2378354	9.644	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2369582	9.701	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	946946	7.183	ppbv	99
79) Naphthalene	22.43	128	3216254	10.637	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	710467	9.381	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1634304	10.763	ppbv	100

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

