

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034403.D
 Acq On : 25 Nov 2019 12:25
 Operator : SY/AP
 Sample : VL1125ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Manual Integrations
 APPROVED

apatel
 12/2/2019 9:19:38 AM

Quant Time: Nov 26 01:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 1
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	968691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1962124	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2077734	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1708256	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1892670	10.800	ppbv 99
3) Chlorodifluoromethane	2.96	51	1130823	9.356	ppbv 99
4) Chloromethane	3.11	50	691946	9.706	ppbv 96
5) Vinyl Chloride	3.23	62	627798	9.399	ppbv 98
6) Bromomethane	3.46	94	326830	9.725	ppbv 90
7) Chloroethane	3.54	64	233759	9.642	ppbv 96
8) Dichlorotetrafluoroethane	3.17	85	1455457	9.248	ppbv 99
9) Propene	2.98	41	507397	9.456	ppbv 98
10) Heptane	8.16	43	1355995	9.792	ppbv 99
11) Trichlorofluoromethane	3.94	101	1646057	9.438	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1099945	9.497	ppbv 100
13) Ethanol	3.59	45	89272	5.972	ppbv 89
14) Bromoethene	3.73	108	460406	9.776	ppbv 99
15) Acetone	3.84	43	1207183	8.703	ppbv 99
16) 1,3-Butadiene	3.31	39	594714	9.842	ppbv 99
17) tert-Butyl alcohol	4.29	59	857670	7.356	ppbv 99
18) 1,1-Dichloroethene	4.28	96	496977	9.809	ppbv 95
19) Isopropyl Alcohol	3.96	45	681323	7.663	ppbv # 99
20) Methylene Chloride	4.34	84	432054	8.784	ppbv 92
21) Allyl Chloride	4.41	41	865631	10.414	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	510088	9.987	ppbv 98
23) Vinyl Acetate	5.08	43	1857562	10.251	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1334692	9.589	ppbv 99
25) Ethyl Acetate	5.69	43	2352349	9.503	ppbv 100
26) Hexane	5.70	57	1003534	9.435	ppbv 99
27) Carbon Disulfide	4.55	76	1276065	11.015	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1704531	9.665	ppbv 99
29) Chloroform	5.77	83	1634382	9.489	ppbv 100
30) Cyclohexane	7.16	84	801856	9.972	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	1081418	9.839	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	1647102	10.199	ppbv 99
34) 2-Butanone	5.25	43	1571900	9.733	ppbv 99
35) Carbon Tetrachloride	7.05	117	1744929	10.343	ppbv 99
36) Benzene	6.92	78	1921029	9.794	ppbv 96
37) 1,2-Dichloroethane	6.33	62	1420090	9.746	ppbv 99
38) Trichloroethene	7.87	130	765226	9.507	ppbv 99
39) 1,2-Dichloropropane	7.65	63	811381	10.738	ppbv 99
40) 1,4-Dioxane	7.86	88	265854	8.054	ppbv # 95
41) Tetrahydrofuran	6.07	42	897962	9.913	ppbv 98
42) Bromodichloromethane	7.83	83	1826879	10.025	ppbv 99
43) Methyl Methacrylate	8.05	69	834925	10.263	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3432964	9.577	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1151593	11.038	ppbv	100
46) cis-1,3-Dichloropropene	8.74	75	1261056	10.761	ppbv	99
47) 1,1,2-Trichloroethane	9.52	97	828879	9.861	ppbv	97
48) Dibromochloromethane	10.36	129	1536628	10.647	ppbv	100
49) Bromoform	13.10	173	1391104	10.797	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2336065	9.997	ppbv	100
51) 2-Hexanone	10.18	43	1961443	10.021	ppbv #	99
52) Tetrachloroethene	11.28	164	742559	8.750	ppbv	98
53) Toluene	9.85	91	2255449	10.123	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1268747	9.845	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.18	131	1007651	9.915	ppbv	96
57) Chlorobenzene	12.20	112	1721121	9.164	ppbv	98
58) Ethyl Benzene	12.77	91	3117250	9.668	ppbv	99
59) m/p-Xylene	13.05	91	5167937m	18.542	ppbv	
60) o-Xylene	13.75	91	2583579	9.375	ppbv	100
61) Styrene	13.59	104	1946914	9.797	ppbv	100
62) Isopropylbenzene	14.73	105	3388506	9.297	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1820697	8.790	ppbv	100
64) n-propylbenzene	15.63	120	888919	9.392	ppbv	99
65) tert-Butylbenzene	16.81	119	3002785	9.172	ppbv	100
66) Benzyl Chloride	17.06	91	1509020	11.982	ppbv	100
67) sec-Butylbenzene	17.36	105	4141528	9.044	ppbv	100
69) p-Isopropyltoluene	17.72	119	3474261	9.141	ppbv	100
70) n-Butylbenzene	18.62	91	3714834m	9.084	ppbv	
71) 2-Chlorotoluene	15.52	91	2679121	9.219	ppbv	100
72) 4-Ethyltoluene	15.90	105	3009643	9.452	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2865550	9.194	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2951420	8.914	ppbv	96
75) 1,3-Dichlorobenzene	17.07	146	1686932	8.864	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1700669	9.203	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1645135	8.950	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1431958	9.067	ppbv	100
79) Naphthalene	22.29	128	2579979	8.989	ppbv	97
80) Naphthalene, 2-methyl-	25.03	142	1422010	10.972	ppbv	98
81) 1,2,4-Trichlorobenzene	22.02	180	1553470	8.810	ppbv	99

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

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