

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034318.D
 Acq On : 17 Oct 2019 15:22
 Operator : SY/AP
 Sample : VL1017ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 2:54:36 PM

Quant Time: Oct 18 04:58:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 04:58:37 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1069257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2104851	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2318469	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1869887	9.52	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1324284	7.184	ppbv 100
3) Chlorodifluoromethane	2.97	51	1255517	10.018	ppbv 100
4) Chloromethane	3.12	50	748121	10.092	ppbv 96
5) Vinyl Chloride	3.24	62	696927	9.859	ppbv 97
6) Bromomethane	3.46	94	364133	10.520	ppbv 90
7) Chloroethane	3.55	64	253969	10.208	ppbv 98
8) Dichlorotetrafluoroethane	3.17	85	1551425	9.713	ppbv 100
9) Propene	2.99	41	567799	10.220	ppbv 98
10) Heptane	8.18	43	1540594	10.804	ppbv 98
11) Trichlorofluoromethane	3.95	101	1726099	9.863	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1167431	10.182	ppbv 99
13) Ethanol	3.60	45	131336	10.558	ppbv 95
14) Bromoethene	3.74	108	479407	10.620	ppbv 98
15) Acetone	3.85	43	1320632	8.635	ppbv 100
16) 1,3-Butadiene	3.31	39	648616	10.438	ppbv 99
17) tert-Butyl alcohol	4.30	59	1192438	12.216	ppbv 99
18) 1,1-Dichloroethene	4.29	96	513133	10.221	ppbv 94
19) Isopropyl Alcohol	3.97	45	1025527	12.020	ppbv 100
20) Methylene Chloride	4.35	84	461412	8.345	ppbv 96
21) Allyl Chloride	4.42	41	916477	10.839	ppbv 100
22) trans-1,2-Dichloroethene	4.90	96	531298	10.610	ppbv 98
23) Vinyl Acetate	5.09	43	2054565	10.757	ppbv 98
24) 1,1-Dichloroethane	5.03	63	1430002	10.088	ppbv 99
25) Ethyl Acetate	5.71	43	2569812	9.953	ppbv 99
26) Hexane	5.72	57	1108895	10.076	ppbv 99
27) Carbon Disulfide	4.56	76	1350065	11.816	ppbv 98
28) Methyl tert-Butyl Ether	5.05	73	1771927	10.638	ppbv 99
29) Chloroform	5.79	83	1748309	10.043	ppbv 96
30) Cyclohexane	7.18	84	865364	10.692	ppbv 98
31) cis-1,2-Dichloroethene	5.58	61	1181026	10.574	ppbv 97
32) 1,1,1-Trichloroethane	6.55	97	1727350	10.203	ppbv 99
34) 2-Butanone	5.27	43	1726351	10.034	ppbv 99
35) Carbon Tetrachloride	7.06	117	1841360	10.044	ppbv 97
36) Benzene	6.94	78	2081806	10.308	ppbv 100
37) 1,2-Dichloroethane	6.35	62	1522600	10.116	ppbv 100
38) Trichloroethene	7.89	130	798776	9.856	ppbv 97
39) 1,2-Dichloropropane	7.67	63	893491	10.275	ppbv 98
40) 1,4-Dioxane	7.89	88	339819	11.120	ppbv 98
41) Tetrahydrofuran	6.08	42	995518	10.426	ppbv 98
42) Bromodichloromethane	7.85	83	1921518	10.423	ppbv 98
43) Methyl Methacrylate	8.07	69	904804	10.833	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3737783	10.000	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1216871	11.958	ppbv	98
46) cis-1,3-Dichloropropene	8.76	75	1356232	11.600	ppbv	99
47) 1,1,2-Trichloroethane	9.54	97	885973	10.058	ppbv	99
48) Dibromochloromethane	10.38	129	1603544	11.098	ppbv	99
49) Bromoform	13.13	173	1457926	11.387	ppbv	100
50) 4-Methyl-2-Pentanone	8.80	43	2589516	10.514	ppbv	99
51) 2-Hexanone	10.20	43	2195323	10.873	ppbv	100
52) Tetrachloroethene	11.30	164	778468	9.834	ppbv	93
53) Toluene	9.87	91	2406644	10.798	ppbv	100
54) 1,2-Dibromoethane	10.68	107	1345612	10.307	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.20	131	1046299	9.793	ppbv	99
57) Chlorobenzene	12.22	112	1832553	9.475	ppbv	99
58) Ethyl Benzene	12.79	91	3321499	10.248	ppbv	99
59) m/p-Xylene	13.07	91	5539360m	19.727	ppbv	
60) o-Xylene	13.77	91	2757552	9.862	ppbv	100
61) Styrene	13.61	104	2082178	10.577	ppbv	100
62) Isopropylbenzene	14.75	105	3606821	9.771	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.76	83	1996648	8.886	ppbv	100
64) n-propylbenzene	15.65	120	968865	10.228	ppbv	98
65) tert-Butylbenzene	16.83	119	3215202	9.828	ppbv	99
66) Benzyl Chloride	17.08	91	1643031	12.716	ppbv	100
67) sec-Butylbenzene	17.38	105	4506751	9.789	ppbv	100
69) p-Isopropyltoluene	17.74	119	3753422	10.000	ppbv	100
70) n-Butylbenzene	18.64	91	4043037	9.900	ppbv	100
71) 2-Chlorotoluene	15.54	91	2890878	10.101	ppbv	99
72) 4-Ethyltoluene	15.92	105	3210848	10.215	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	3109897	9.986	ppbv	95
74) 1,2,4-Trimethylbenzene	16.85	105	3185761	9.809	ppbv	96
75) 1,3-Dichlorobenzene	17.09	146	1862504	9.552	ppbv	100
76) 1,4-Dichlorobenzene	17.23	146	1884903	9.896	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1819756	9.519	ppbv	99
78) Hexachloro-1,3-Butadiene	23.47	225	1404514	8.882	ppbv	99
79) Naphthalene	22.32	128	2753822	11.608	ppbv	98
80) Naphthalene, 2-methyl-	25.05	142	926556	13.511	ppbv	98
81) 1,2,4-Trichlorobenzene	22.04	180	1669000	10.771	ppbv	99

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

