

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034850.D
 Acq On : 9 Mar 2020 22:26
 Operator : SY/AP
 Sample : VL0309ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:13 PM

Quant Time: Mar 11 04:48:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	916573	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2095821	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2161356m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1689028	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1448992	11.545	ppbv 99
3) Chlorodifluoromethane	2.95	51	943274	9.213	ppbv 99
4) Chloromethane	3.10	50	560597	9.688	ppbv 98
5) Vinyl Chloride	3.22	62	518663	9.323	ppbv 90
6) Bromomethane	3.44	94	310693	9.594	ppbv 96
7) Chloroethane	3.52	64	190310	9.473	ppbv 100
8) Dichlorotetrafluoroethane	3.15	85	1162507	8.918	ppbv 99
9) Propene	2.97	41	450103	9.207	ppbv 98
10) Heptane	8.13	43	1151070	9.568	ppbv 99
11) Trichlorofluoromethane	3.92	101	1213371	9.087	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	854446	9.143	ppbv 99
13) Ethanol	3.57	45	99841	6.718	ppbv 100
14) Bromoethene	3.71	108	377307	9.348	ppbv 98
15) Acetone	3.82	43	1070978	9.015	ppbv 99
16) 1,3-Butadiene	3.29	39	504797	9.397	ppbv 97
17) tert-Butyl alcohol	4.27	59	870264	7.604	ppbv 99
18) 1,1-Dichloroethene	4.26	96	393850	9.516	ppbv 98
19) Isopropyl Alcohol	3.94	45	583017	7.771	ppbv # 39
20) Methylene Chloride	4.32	84	341189	9.084	ppbv 96
21) Allyl Chloride	4.39	41	727407	9.534	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	394839	9.404	ppbv 98
23) Vinyl Acetate	5.06	43	1717172	9.785	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1075895	9.146	ppbv 99
25) Ethyl Acetate	5.66	43	1933517	9.136	ppbv 100
26) Hexane	5.67	57	848178	9.307	ppbv 100
27) Carbon Disulfide	4.53	76	1020323	9.866	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1435294	9.465	ppbv 100
29) Chloroform	5.74	83	1271161	9.141	ppbv 96
30) Cyclohexane	7.13	84	726164	9.550	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	883397	9.478	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	1276877	9.424	ppbv 99
34) 2-Butanone	5.23	43	1307722	9.389	ppbv 99
35) Carbon Tetrachloride	7.02	117	1311544	10.061	ppbv 98
36) Benzene	6.89	78	1728612	9.253	ppbv 98
37) 1,2-Dichloroethane	6.31	62	996403	9.459	ppbv 99
38) Trichloroethene	7.84	130	669319	9.434	ppbv 99
39) 1,2-Dichloropropane	7.62	63	681776	9.211	ppbv 96
40) 1,4-Dioxane	7.84	88	120997	4.329	ppbv # 1
41) Tetrahydrofuran	6.04	42	745384	9.891	ppbv 99
42) Bromodichloromethane	7.80	83	1365921	9.515	ppbv 99
43) Methyl Methacrylate	8.02	69	783098	9.950	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	2961145	9.380	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	957830	10.359	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1096915	9.983	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	705201	9.284	ppbv	96
48) Dibromochloromethane	10.33	129	1170770	9.518	ppbv	99
49) Bromoform	13.07	173	1034090	9.428	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1906717	9.510	ppbv	100
51) 2-Hexanone	10.15	43	1567704	9.622	ppbv	100
52) Tetrachloroethene	11.25	164	623038	8.430	ppbv	96
53) Toluene	9.82	91	2021541	9.371	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1054676	9.224	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	883047	9.095	ppbv	99
57) Chlorobenzene	12.18	112	1491811	8.821	ppbv	99
58) Ethyl Benzene	12.73	91	2654314	9.068	ppbv	99
59) m/p-Xylene	13.02	91	4293828m	17.510	ppbv	
60) o-Xylene	13.72	91	2116978	8.842	ppbv	99
61) Styrene	13.55	104	1580682	9.407	ppbv	99
62) Isopropylbenzene	14.70	105	3172137	8.762	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1426814	8.778	ppbv	100
64) n-propylbenzene	15.59	120	833630	8.847	ppbv	98
65) tert-Butylbenzene	16.78	119	2745409	8.675	ppbv	100
66) Benzyl Chloride	17.03	91	1423453	10.787	ppbv	100
67) sec-Butylbenzene	17.33	105	3885429	8.854	ppbv	99
69) p-Isopropyltoluene	17.69	119	3304309	8.980	ppbv	100
70) n-Butylbenzene	18.59	91	3368931	8.973	ppbv	100
71) 2-Chlorotoluene	15.49	91	2376287	8.667	ppbv	100
72) 4-Ethyltoluene	15.87	105	2559817	9.053	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2378629	8.986	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2455876	9.006	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1436161	8.734	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1451454	8.846	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1425318	8.943	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1291798	9.704	ppbv	100
79) Naphthalene	22.25	128	2554761	12.013	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	975001	17.544	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	1472596	10.899	ppbv	99

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

