

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020419\
 Data File : VL033159.D
 Acq On : 4 Feb 2019 17:17
 Operator : SY/AP
 Sample : VL0204ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:27:51 AM

Quant Time: Feb 05 01:36:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb 05 2019
 QLast Update : Mon Feb 04 14:41:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1210706	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2858549	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2927027m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2259669	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	2107318	11.820	ppbv	99
3) Chlorodifluoromethane	3.02	51	1337092	9.916	ppbv	99
4) Chloromethane	3.17	50	734469	9.679	ppbv	98
5) Vinyl Chloride	3.29	62	697022	9.307	ppbv	99
6) Bromomethane	3.52	94	417408	9.891	ppbv	98
7) Chloroethane	3.60	64	254723	10.004	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1571050	9.614	ppbv	96
9) Propene	3.04	41	657136	9.699	ppbv	99
10) Heptane	8.25	43	1682629	7.972	ppbv	100
11) Trichlorofluoromethane	4.01	101	1669256	9.690	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1112361	9.946	ppbv	96
13) Ethanol	3.65	45	143023	5.355	ppbv	99
14) Bromoethene	3.79	108	508973	9.872	ppbv	99
15) Acetone	3.90	43	1174277	8.146	ppbv	98
16) 1,3-Butadiene	3.37	39	582985	9.963	ppbv	98
17) tert-Butyl alcohol	4.36	59	258501	8.120	ppbv	100
18) 1,1-Dichloroethene	4.35	96	520606	10.116	ppbv	96
19) Isopropyl Alcohol	4.03	45	828340	8.090	ppbv #	46
20) Methylene Chloride	4.41	84	445641	8.974	ppbv	98
21) Allyl Chloride	4.48	41	868154	10.002	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	509570	10.026	ppbv	99
23) Vinyl Acetate	5.16	43	2303613	9.824	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1533206	9.583	ppbv	98
25) Ethyl Acetate	5.77	43	2595056	8.712	ppbv	100
26) Hexane	5.78	57	1175684	8.436	ppbv	99
27) Carbon Disulfide	4.62	76	1297451	10.814	ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	1878286	9.263	ppbv	99
29) Chloroform	5.85	83	1848082	8.765	ppbv	96
30) Cyclohexane	7.25	84	1048704	7.838	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1270452	9.565	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	1786060	8.593	ppbv #	84
34) 2-Butanone	5.33	43	1802945	10.028	ppbv	99
35) Carbon Tetrachloride	7.14	117	1798425	9.824	ppbv	99
36) Benzene	7.01	78	2574902	8.910	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1431231	9.697	ppbv	99
38) Trichloroethene	7.97	130	893803	8.516	ppbv	96
39) 1,2-Dichloropropane	7.74	63	1015831	9.165	ppbv	98
40) 1,4-Dioxane	7.96	88	328837	7.606	ppbv #	1
41) Tetrahydrofuran	6.15	42	1098966	9.839	ppbv	99
42) Bromodichloromethane	7.92	83	2070503	9.586	ppbv	99
43) Methyl Methacrylate	8.14	69	1062929	9.247	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4278035	8.822	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1382876	9.748	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1597838	9.364	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	1030727	8.662	ppbv	94
48) Dibromochloromethane	10.46	129	1656951	9.356	ppbv	100
49) Bromoform	13.21	173	1399848	9.577	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2610916	8.023	ppbv	99
51) 2-Hexanone	10.27	43	2127834	7.796	ppbv #	99
52) Tetrachloroethene	11.38	164	839442	8.358	ppbv	97
53) Toluene	9.95	91	2976712	8.673	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1609248	8.932	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1162917	9.189	ppbv #	58
57) Chlorobenzene	12.31	112	2133851	8.744	ppbv	96
58) Ethyl Benzene	12.87	91	4074167	8.847	ppbv	97
59) m/p-Xylene	13.13	91	6530290m	17.317	ppbv	
60) o-Xylene	13.86	91	3179632	9.137	ppbv	95
61) Styrene	13.69	104	2536907	9.110	ppbv	97
62) Isopropylbenzene	14.83	105	4488239	9.035	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2218927	8.888	ppbv	100
64) n-propylbenzene	15.73	120	1681417	12.971	ppbv	95
65) tert-Butylbenzene	16.91	119	5505500	12.356	ppbv	95
66) Benzyl Chloride	17.16	91	3056818	15.105	ppbv	97
67) sec-Butylbenzene	17.46	105	8032602	12.611	ppbv	100
69) p-Isopropyltoluene	17.82	119	6556426	12.456	ppbv	98
70) n-Butylbenzene	18.72	91	7183362	12.543	ppbv	99
71) 2-Chlorotoluene	15.62	91	5112416	12.983	ppbv	98
72) 4-Ethyltoluene	16.01	105	5375575	12.924	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	5147298	12.836	ppbv	96
74) 1,2,4-Trimethylbenzene	16.93	105	5072323	12.401	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	2846015	12.604	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2894539	12.762	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2890593	12.870	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1301917	11.652	ppbv	99
79) Naphthalene	22.42	128	5685283m	11.871	ppbv	
80) Naphthalene, 2-methyl-	25.12	142	2674903	10.955	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	2623596	12.087	ppbv	100

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

