

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034516.D
 Acq On : 30 Dec 2019 16:18
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL123019

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:49:02 AM

Quant Time: Dec 31 05:23:30 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 31 2019

QLast Update : Mon Dec 30 14:58:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1103453	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2284904	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2339197	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1863923	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.02	85	1269840	7.297	ppbv	98
3) Chlorodifluoromethane	2.95	51	1182696	8.996	ppbv	99
4) Chloromethane	3.11	50	721797	9.243	ppbv	97
5) Vinyl Chloride	3.22	62	669610	8.756	ppbv	99
6) Bromomethane	3.45	94	363935	9.561	ppbv	95
7) Chloroethane	3.53	64	253792	9.524	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1529040	8.761	ppbv	99
9) Propene	2.98	41	540141	10.656	ppbv	100
10) Heptane	8.15	43	1346847	10.289	ppbv	100
11) Trichlorofluoromethane	3.93	101	1779299	8.836	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1179946	9.212	ppbv	100
13) Ethanol	3.58	45	127560	9.070	ppbv	99
14) Bromoethene	3.72	108	505109	9.750	ppbv	99
15) Acetone	3.83	43	1266648	7.865	ppbv	98
16) 1,3-Butadiene	3.30	39	616851	9.959	ppbv	99
17) tert-Butyl alcohol	4.28	59	1301361	10.092	ppbv	100
18) 1,1-Dichloroethene	4.27	96	535858	9.604	ppbv	94
19) Isopropyl Alcohol	3.95	45	1032103	9.900	ppbv	99
20) Methylene Chloride	4.33	84	473705	7.476	ppbv	94
21) Allyl Chloride	4.40	41	891629	9.633	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	543950	9.585	ppbv	95
23) Vinyl Acetate	5.07	43	1909460	10.270	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1396095	9.347	ppbv	99
25) Ethyl Acetate	5.68	43	2427902	9.654	ppbv	100
26) Hexane	5.69	57	1047711	9.887	ppbv	98
27) Carbon Disulfide	4.54	76	1373080	10.251	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1876172	10.600	ppbv	100
29) Chloroform	5.76	83	1711317	9.333	ppbv	99
30) Cyclohexane	7.15	84	845812	10.738	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1149144	10.641	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	1757193	9.232	ppbv	99
34) 2-Butanone	5.24	43	1614180	9.886	ppbv	99
35) Carbon Tetrachloride	7.03	117	1829981	8.831	ppbv	98
36) Benzene	6.91	78	2015474	10.119	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1449092	8.959	ppbv	99
38) Trichloroethene	7.86	130	808331	10.047	ppbv	98
39) 1,2-Dichloropropane	7.64	63	818621	9.995	ppbv	99
40) 1,4-Dioxane	7.85	88	341391	10.299	ppbv #	93
41) Tetrahydrofuran	6.05	42	924019	11.032	ppbv	99
42) Bromodichloromethane	7.82	83	1900994	9.552	ppbv	95
43) Methyl Methacrylate	8.04	69	855382	10.528	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3515721	9.542	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1192192	11.391	ppbv	95
46) cis-1,3-Dichloropropene	8.73	75	1320151	11.035	ppbv	97
47) 1,1,2-Trichloroethane	9.51	97	853735	9.456	ppbv	99
48) Dibromochloromethane	10.35	129	1579656	10.093	ppbv	99
49) Bromoform	13.10	173	1393086	9.832	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2335998	9.855	ppbv	99
51) 2-Hexanone	10.16	43	1940793	10.143	ppbv	99
52) Tetrachloroethene	11.26	164	756673	9.735	ppbv	96
53) Toluene	9.84	91	2313552	10.573	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1295450	9.860	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	1025802	9.084	ppbv #	62
57) Chlorobenzene	12.19	112	1760133	9.120	ppbv	99
58) Ethyl Benzene	12.76	91	3136509	9.942	ppbv	100
59) m/p-Xylene	13.04	91	5168068m	18.734	ppbv	
60) o-Xylene	13.74	91	2594566	9.373	ppbv	99
61) Styrene	13.58	104	1937854	10.239	ppbv	99
62) Isopropylbenzene	14.72	105	3388801	9.359	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1802758	8.118	ppbv	100
64) n-propylbenzene	15.62	120	879881	9.516	ppbv	98
65) tert-Butylbenzene	16.80	119	2975868	9.097	ppbv	100
66) Benzyl Chloride	17.05	91	1490280	10.394	ppbv	100
67) sec-Butylbenzene	17.35	105	4132643	8.995	ppbv	99
69) p-Isopropyltoluene	17.71	119	3467424	9.306	ppbv	99
70) n-Butylbenzene	18.61	91	3635619	9.043	ppbv	99
71) 2-Chlorotoluene	15.51	91	2645818	9.409	ppbv	100
72) 4-Ethyltoluene	15.90	105	2953841	9.536	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	2849773	9.377	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	2918000	8.976	ppbv #	90
75) 1,3-Dichlorobenzene	17.06	146	1655135	8.500	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1678633	8.954	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1608078	8.788	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1534191	8.832	ppbv	99
79) Naphthalene	22.28	128	2754944	11.251	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	1530233	22.559	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.01	180	1639732	10.284	ppbv	99

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

