

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033114.D
 Acq On : 28 Jan 2019 15:41
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

apatel
 1/29/2019 2:35:55 PM

Quant Time: Jan 28 16:28:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1785710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	4365855	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	4537837m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	3281808	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	2158719	6.496	ppbv 100
3) Chlorodifluoromethane	3.01	51	1243126	6.150	ppbv 100
4) Chloromethane	3.17	50	687357	5.937	ppbv 100
5) Vinyl Chloride	3.29	62	741506	6.342	ppbv 99
6) Bromomethane	3.51	94	480013	6.043	ppbv 96
7) Chloroethane	3.60	64	277499	6.069	ppbv 99
8) Dichlorotetrafluoroethane	3.22	85	1815587	6.343	ppbv 100
9) Propene	3.04	41	519206	6.876	ppbv 99
10) Heptane	8.25	43	2128480	9.900	ppbv 100
11) Trichlorofluoromethane	4.00	101	1923136	5.237	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1948987	8.394	ppbv 99
13) Ethanol	3.65	45	136997	4.549	ppbv 95
14) Bromoethene	3.79	108	605855	5.908	ppbv 99
15) Acetone	3.90	43	1221917	4.944	ppbv 100
16) 1,3-Butadiene	3.36	39	557601	5.982	ppbv 92
17) tert-Butyl alcohol	4.35	59	315106	6.018	ppbv 99
18) 1,1-Dichloroethene	4.35	96	613289	5.734	ppbv 99
19) Isopropyl Alcohol	4.02	45	899795	5.288	ppbv 100
20) Methylene Chloride	4.41	84	537830	5.220	ppbv 98
21) Allyl Chloride	4.48	41	1014939	6.626	ppbv 99
22) trans-1,2-Dichloroethene	4.96	96	907850	8.563	ppbv 97
23) Vinyl Acetate	5.15	43	2951945	9.388	ppbv 99
24) 1,1-Dichloroethane	5.09	63	2272005	8.510	ppbv 100
25) Ethyl Acetate	5.77	43	3612979	8.648	ppbv 100
26) Hexane	5.78	57	1716922	8.728	ppbv 98
27) Carbon Disulfide	4.62	76	2262666	9.326	ppbv 98
28) Methyl tert-Butyl Ether	5.11	73	2783923	9.066	ppbv 100
29) Chloroform	5.85	83	2803273	8.362	ppbv 97
30) Cyclohexane	7.25	84	1434021	9.776	ppbv 99
31) cis-1,2-Dichloroethene	5.64	61	1698670	9.299	ppbv 93
32) 1,1,1-Trichloroethane	6.62	97	2838073	8.341	ppbv 99
34) 2-Butanone	5.33	43	2288643	9.022	ppbv 100
35) Carbon Tetrachloride	7.13	117	3008227	8.022	ppbv 99
36) Benzene	7.00	78	3346091	9.356	ppbv 100
37) 1,2-Dichloroethane	6.41	62	2169386	8.688	ppbv 100
38) Trichloroethene	7.96	130	1448519	9.846	ppbv 94
39) 1,2-Dichloropropane	7.74	63	1294932	9.639	ppbv 96
40) 1,4-Dioxane	7.95	88	470814	9.232	ppbv 94
41) Tetrahydrofuran	6.15	42	1308145	10.132	ppbv 99
42) Bromodichloromethane	7.92	83	3068965	8.947	ppbv 97
43) Methyl Methacrylate	8.13	69	1405655	10.475	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	5835420	9.635	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1905220	11.406	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	2206016	11.571	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	1449612	9.235	ppbv	97
48) Dibromochloromethane	10.45	129	2681598	9.669	ppbv	100
49) Bromoform	13.20	173	2306986	9.521	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	3328801	10.356	ppbv	99
51) 2-Hexanone	10.27	43	2535054	10.900	ppbv	99
52) Tetrachloroethene	11.37	164	1255378	9.931	ppbv	99
53) Toluene	9.95	91	4040267	10.542	ppbv	100
54) 1,2-Dibromoethane	10.76	107	2275049	10.060	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1886559	8.046	ppbv	99
57) Chlorobenzene	12.30	112	3164691	8.355	ppbv	97
58) Ethyl Benzene	12.86	91	5513895	9.624	ppbv	100
59) m/p-Xylene	13.15	91	9399410m	17.734	ppbv	
60) o-Xylene	13.85	91	4538752	8.747	ppbv	99
61) Styrene	13.69	104	3408404	10.295	ppbv	99
62) Isopropylbenzene	14.83	105	6422567	8.698	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	3157329	8.192	ppbv	100
64) n-propylbenzene	15.72	120	1646397	8.777	ppbv	99
65) tert-Butylbenzene	16.91	119	5634771	8.615	ppbv	100
66) Benzyl Chloride	17.16	91	3428779	9.198	ppbv	100
67) sec-Butylbenzene	17.46	105	7976272	8.521	ppbv	99
69) p-Isopropyltoluene	17.81	119	6644772	8.746	ppbv	99
70) n-Butylbenzene	18.72	91	6768881	8.863	ppbv	99
71) 2-Chlorotoluene	15.62	91	4782611	9.133	ppbv	100
72) 4-Ethyltoluene	16.00	105	5232528	9.176	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	4979107	8.850	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	5140773	8.250	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	2918140	7.956	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2892612	8.658	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2821647	8.543	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1284030	5.061	ppbv	100
79) Naphthalene	22.42	128	4309647	8.211	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1578630	9.912	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	2057197	8.114	ppbv	99

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

