

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\
 Data File : VL034342.D
 Acq On : 24 Oct 2019 9:50
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:42:55 AM

Quant Time: Oct 25 01:41:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 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	5.69	49	1110863	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2241741	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2449683m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1923496	9.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.02	85	1884223	9.839	ppbv 98
3) Chlorodifluoromethane	2.96	51	1141151	8.764	ppbv 100
4) Chloromethane	3.12	50	702335	9.119	ppbv 97
5) Vinyl Chloride	3.24	62	640722	8.725	ppbv 98
6) Bromomethane	3.46	94	337377	9.382	ppbv 97
7) Chloroethane	3.54	64	238996	9.247	ppbv 99
8) Dichlorotetrafluoroethane	3.17	85	1439530	8.675	ppbv 98
9) Propene	2.99	41	535168	9.272	ppbv 98
10) Heptane	8.16	43	1425931	9.626	ppbv 99
11) Trichlorofluoromethane	3.94	101	1621178	8.916	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1088438	9.137	ppbv 99
13) Ethanol	3.59	45	91815	7.105	ppbv 96
14) Bromoethene	3.73	108	448688	9.567	ppbv 97
15) Acetone	3.84	43	1212172	7.629	ppbv 100
16) 1,3-Butadiene	3.31	39	599687	9.289	ppbv 99
17) tert-Butyl alcohol	4.29	59	842620	8.309	ppbv 100
18) 1,1-Dichloroethene	4.29	96	489502	9.385	ppbv 99
19) Isopropyl Alcohol	3.96	45	682798	7.703	ppbv 99
20) Methylene Chloride	4.34	84	444612	7.740	ppbv 99
21) Allyl Chloride	4.41	41	856268	9.748	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	506427	9.735	ppbv 97
23) Vinyl Acetate	5.08	43	1930023	9.727	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1333162	9.053	ppbv 99
25) Ethyl Acetate	5.69	43	2375433	8.855	ppbv 99
26) Hexane	5.70	57	1045639	9.145	ppbv 97
27) Carbon Disulfide	4.55	76	1272122	10.717	ppbv 97
28) Methyl tert-Butyl Ether	5.04	73	1694862	9.795	ppbv 98
29) Chloroform	5.77	83	1637360	9.053	ppbv 99
30) Cyclohexane	7.16	84	832529	9.901	ppbv 96
31) cis-1,2-Dichloroethene	5.56	61	1111107	9.575	ppbv 97
32) 1,1,1-Trichloroethane	6.54	97	1627294	9.252	ppbv 99
34) 2-Butanone	5.26	43	1599916	8.732	ppbv 98
35) Carbon Tetrachloride	7.05	117	1699493	8.704	ppbv 99
36) Benzene	6.92	78	1977112	9.192	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1399464	8.730	ppbv 99
38) Trichloroethene	7.88	130	767715	8.895	ppbv 95
39) 1,2-Dichloropropane	7.65	63	817954	8.832	ppbv 95
40) 1,4-Dioxane	7.86	88	272296	8.366	ppbv 70
41) Tetrahydrofuran	6.07	42	934650	9.191	ppbv 98
42) Bromodichloromethane	7.83	83	1804146	9.189	ppbv 99
43) Methyl Methacrylate	8.05	69	851477	9.572	ppbv 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3491286	8.770	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1140251	10.520	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1276022	10.248	ppbv	95
47) 1,1,2-Trichloroethane	9.52	97	827124	8.817	ppbv	97
48) Dibromochloromethane	10.36	129	1501557	9.757	ppbv	98
49) Bromoform	13.11	173	1353690	9.927	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2389662	9.110	ppbv	98
51) 2-Hexanone	10.18	43	2025933	9.421	ppbv #	99
52) Tetrachloroethene	11.28	164	747218	8.863	ppbv	98
53) Toluene	9.85	91	2273084	9.576	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1258179	9.049	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.18	131	995943	8.822	ppbv	94
57) Chlorobenzene	12.21	112	1735154	8.490	ppbv	99
58) Ethyl Benzene	12.77	91	3119163	9.109	ppbv	100
59) m/p-Xylene	13.06	91	5127472m	17.282	ppbv	
60) o-Xylene	13.75	91	2582418	8.741	ppbv	98
61) Styrene	13.59	104	1952360	9.386	ppbv	99
62) Isopropylbenzene	14.73	105	3372615	8.648	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1791807	7.547	ppbv	99
64) n-propylbenzene	15.63	120	879093	8.783	ppbv	100
65) tert-Butylbenzene	16.82	119	2967212	8.584	ppbv	99
66) Benzyl Chloride	17.06	91	1430439	10.478	ppbv	100
67) sec-Butylbenzene	17.36	105	4125699	8.481	ppbv	99
69) p-Isopropyltoluene	17.73	119	3416569	8.615	ppbv	99
70) n-Butylbenzene	18.62	91	3625924	8.403	ppbv	99
71) 2-Chlorotoluene	15.53	91	2652305	8.771	ppbv	100
72) 4-Ethyltoluene	15.91	105	2971762	8.948	ppbv	100
73) 1,3,5-Trimethylbenzene	16.06	105	2852362	8.668	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2890676	8.424	ppbv	99
75) 1,3-Dichlorobenzene	17.07	146	1661178	8.063	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1660019	8.249	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1624611	8.043	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1564286	9.362	ppbv	99
79) Naphthalene	22.29	128	2798437	11.164	ppbv	97
80) Naphthalene,2-methyl-	25.04	142	1338953	18.479	ppbv	94
81) 1,2,4-Trichlorobenzene	22.02	180	1638706	10.009	ppbv	99

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

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