

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101619\
 Data File : VL034305.D
 Acq On : 16 Oct 2019 18:45
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL101619

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 3:04:18 PM

Quant Time: Oct 17 05:47:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:47:03 2019
 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	5.70	49	1159212	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2305387	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2509694m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	2045986	9.63	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1544834	7.730	ppbv	100
3) Chlorodifluoromethane	2.97	51	1305144	9.606	ppbv	99
4) Chloromethane	3.12	50	788011	9.805	ppbv	100
5) Vinyl Chloride	3.24	62	721212	9.411	ppbv	98
6) Bromomethane	3.46	94	378478	10.086	ppbv	99
7) Chloroethane	3.55	64	272004	10.085	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1613253	9.316	ppbv	98
9) Propene	2.99	41	622155	10.330	ppbv	100
10) Heptane	8.17	43	1604970	10.382	ppbv	99
11) Trichlorofluoromethane	3.95	101	1766057	9.308	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1206032	9.702	ppbv	99
13) Ethanol	3.60	45	128556	9.533	ppbv	98
14) Bromoethene	3.73	108	517525	10.574	ppbv	99
15) Acetone	3.85	43	1349538	8.139	ppbv	99
16) 1,3-Butadiene	3.31	39	686937	10.196	ppbv	99
17) tert-Butyl alcohol	4.29	59	1240950	11.727	ppbv	99
18) 1,1-Dichloroethene	4.29	96	554371	10.186	ppbv	93
19) Isopropyl Alcohol	3.97	45	1051266	11.365	ppbv	100
20) Methylene Chloride	4.35	84	481007	8.025	ppbv	93
21) Allyl Chloride	4.42	41	946306	10.324	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	552739	10.182	ppbv	100
23) Vinyl Acetate	5.09	43	2194604	10.599	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1519928	9.890	ppbv	99
25) Ethyl Acetate	5.70	43	2713750	9.694	ppbv	100
26) Hexane	5.71	57	1182301	9.909	ppbv	98
27) Carbon Disulfide	4.56	76	1391876	11.237	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1910409	10.580	ppbv	100
29) Chloroform	5.79	83	1822659	9.657	ppbv	96
30) Cyclohexane	7.17	84	933945	10.644	ppbv	97
31) cis-1,2-Dichloroethene	5.57	61	1257229	10.383	ppbv	99
32) 1,1,1-Trichloroethane	6.55	97	1806504	9.843	ppbv	100
34) 2-Butanone	5.27	43	1852694	9.832	ppbv	100
35) Carbon Tetrachloride	7.06	117	1879661	9.361	ppbv	97
36) Benzene	6.94	78	2198578	9.940	ppbv	99
37) 1,2-Dichloroethane	6.35	62	1561898	9.475	ppbv	99
38) Trichloroethene	7.89	130	848140	9.555	ppbv	95
39) 1,2-Dichloropropane	7.66	63	940761	9.877	ppbv	98
40) 1,4-Dioxane	7.88	88	352423	10.529	ppbv #	1
41) Tetrahydrofuran	6.08	42	1093320	10.455	ppbv	100
42) Bromodichloromethane	7.84	83	2017752	9.993	ppbv	94
43) Methyl Methacrylate	8.07	69	968827	10.590	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3935084	9.612	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1293484	11.605	ppbv	100
46) cis-1,3-Dichloropropene	8.76	75	1447298	11.302	ppbv	99
47) 1,1,2-Trichloroethane	9.54	97	925615	9.594	ppbv	97
48) Dibromochloromethane	10.37	129	1652860	10.444	ppbv	98
49) Bromoform	13.12	173	1459511	10.408	ppbv	99
50) 4-Methyl-2-Pentanone	8.80	43	2717097	10.072	ppbv	99
51) 2-Hexanone	10.19	43	2325468	10.516	ppbv	100
52) Tetrachloroethene	11.30	164	816233	9.414	ppbv	96
53) Toluene	9.87	91	2540122	10.406	ppbv	100
54) 1,2-Dibromoethane	10.69	107	1388094	9.708	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.20	131	1080205	9.340	ppbv	97
57) Chlorobenzene	12.22	112	1904062	9.094	ppbv	99
58) Ethyl Benzene	12.79	91	3434045	9.788	ppbv	98
59) m/p-Xylene	13.07	91	5693369m	18.730	ppbv	
60) o-Xylene	13.77	91	2838167	9.377	ppbv	100
61) Styrene	13.61	104	2135070	10.019	ppbv	99
62) Isopropylbenzene	14.75	105	3691089	9.238	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.76	83	1957314	8.047	ppbv	100
64) n-propylbenzene	15.65	120	977895	9.537	ppbv	97
65) tert-Butylbenzene	16.84	119	3218752	9.089	ppbv	99
66) Benzyl Chloride	17.08	91	1550399	11.085	ppbv	100
67) sec-Butylbenzene	17.38	105	4468598	8.967	ppbv	100
69) p-Isopropyltoluene	17.74	119	3702206	9.112	ppbv	100
70) n-Butylbenzene	18.64	91	3962668	8.964	ppbv	100
71) 2-Chlorotoluene	15.55	91	2937041	9.480	ppbv	100
72) 4-Ethyltoluene	15.92	105	3223461	9.474	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	3093053	9.175	ppbv	96
74) 1,2,4-Trimethylbenzene	16.85	105	3168541	9.013	ppbv	99
75) 1,3-Dichlorobenzene	17.09	146	1818565	8.616	ppbv	100
76) 1,4-Dichlorobenzene	17.23	146	1825021	8.852	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1756175	8.486	ppbv	99
78) Hexachloro-1,3-Butadiene	23.47	225	1493795	8.727	ppbv	99
79) Naphthalene	22.32	128	3087841	12.024	ppbv	98
80) Naphthalene, 2-methyl-	25.05	142	943033	12.704	ppbv	98
81) 1,2,4-Trichlorobenzene	22.05	180	1803016	10.749	ppbv	100

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

