

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033995.D
 Acq On : 2 Jul 2019 17:30
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:34 PM

Quant Time: Jul 02 19:29:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 16:27:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1163368	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2975217	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	3230775	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	2345335	8.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	2652031	14.049	ppbv	97
3) Chlorodifluoromethane	3.00	51	1860423	13.584	ppbv	99
4) Chloromethane	3.16	50	1074151	13.750	ppbv	98
5) Vinyl Chloride	3.27	62	1189739	16.414	ppbv	99
6) Bromomethane	3.50	94	764624	15.879	ppbv	100
7) Chloroethane	3.58	64	463711	16.176	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	3047037	15.103	ppbv	100
9) Propene	3.02	41	727433	14.195	ppbv	95
10) Heptane	8.22	43	2084237	16.091	ppbv	99
11) Trichlorofluoromethane	3.99	101	4603576	18.900	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	3318379	20.158	ppbv	100
13) Ethanol	3.63	45	166892	10.010	ppbv	94
14) Bromoethene	3.77	108	1030760	16.803	ppbv	99
15) Acetone	3.88	43	3135781	18.481	ppbv	99
16) 1,3-Butadiene	3.35	39	1004703	15.557	ppbv	100
17) tert-Butyl alcohol	4.34	59	2758584	20.798	ppbv	99
18) 1,1-Dichloroethene	4.33	96	1507883	21.686	ppbv	96
19) Isopropyl Alcohol	4.01	45	2106123	21.728	ppbv	99
20) Methylene Chloride	4.39	84	1353373	20.454	ppbv	93
21) Allyl Chloride	4.46	41	2296581	23.828	ppbv	100
22) trans-1,2-Dichloroethene	4.94	96	1134069	15.473	ppbv	98
23) Vinyl Acetate	5.13	43	2922836	14.820	ppbv	99
24) 1,1-Dichloroethane	5.07	63	2343648	15.279	ppbv	99
25) Ethyl Acetate	5.74	43	3947062	15.275	ppbv	100
26) Hexane	5.76	57	1831000	15.563	ppbv	97
27) Carbon Disulfide	4.60	76	4071405	24.909	ppbv	99
28) Methyl tert-Butyl Ether	5.09	73	3032956	17.048	ppbv	100
29) Chloroform	5.83	83	3104941	15.409	ppbv	97
30) Cyclohexane	7.22	84	1515771	18.235	ppbv	96
31) cis-1,2-Dichloroethene	5.62	61	1863060	18.059	ppbv	98
32) 1,1,1-Trichloroethane	6.60	97	3161085	16.263	ppbv	99
34) 2-Butanone	5.31	43	2309651	13.761	ppbv	99
35) Carbon Tetrachloride	7.11	117	3310713	14.402	ppbv	98
36) Benzene	6.98	78	3619151	15.924	ppbv	100
37) 1,2-Dichloroethane	6.39	62	2471316	14.703	ppbv	99
38) Trichloroethene	7.93	130	1610683	18.202	ppbv	97
39) 1,2-Dichloropropane	7.71	63	1321154	15.062	ppbv	98
40) 1,4-Dioxane	7.93	88	522127	14.594	ppbv #	93
41) Tetrahydrofuran	6.12	42	1254199	14.722	ppbv	99
42) Bromodichloromethane	7.89	83	3415524	15.206	ppbv	99
43) Methyl Methacrylate	8.11	69	1471861	17.316	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.97	57	6150240	15.217	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	2175185	19.503	ppbv	95
46) cis-1,3-Dichloropropene	8.81	75	2442028	19.111	ppbv	95
47) 1,1,2-Trichloroethane	9.59	97	1654477	15.822	ppbv	95
48) Dibromochloromethane	10.43	129	3094989	16.470	ppbv	100
49) Bromoform	13.17	173	2780425	16.761	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	3814151	15.239	ppbv	99
51) 2-Hexanone	10.24	43	3113721	15.931	ppbv #	99
52) Tetrachloroethene	11.34	164	1547389	19.350	ppbv	98
53) Toluene	9.92	91	4585412	18.232	ppbv	100
54) 1,2-Dibromoethane	10.73	107	2578639	16.359	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.25	131	1943255	13.769	ppbv #	71
57) Chlorobenzene	12.27	112	3456974	14.287	ppbv #	97
58) Ethyl Benzene	12.84	91	6098842	16.744	ppbv	100
59) m/p-Xylene	13.12	91	10269232m	31.003	ppbv	
60) o-Xylene	13.82	91	5025149	14.693	ppbv	100
61) Styrene	13.66	104	3829013	17.301	ppbv	99
62) Isopropylbenzene	14.79	105	6803837	14.761	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	3497420	13.586	ppbv	100
64) n-propylbenzene	15.70	120	1752278	14.845	ppbv	98
65) tert-Butylbenzene	16.88	119	6097073	14.295	ppbv	99
66) Benzyl Chloride	17.13	91	3590894	16.614	ppbv	100
67) sec-Butylbenzene	17.43	105	8486315	14.183	ppbv	99
69) p-Isopropyltoluene	17.79	119	7082284	14.226	ppbv	99
70) n-Butylbenzene	18.69	91	7278699	13.349	ppbv	99
71) 2-Chlorotoluene	15.59	91	5156040	15.184	ppbv	100
72) 4-Ethyltoluene	15.97	105	6013428	15.451	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	5656149	14.754	ppbv	99
74) 1,2,4-Trimethylbenzene	16.90	105	5929758	13.420	ppbv	97
75) 1,3-Dichlorobenzene	17.14	146	3566142	12.888	ppbv	99
76) 1,4-Dichlorobenzene	17.28	146	3561564	14.018	ppbv	98
77) 1,2-Dichlorobenzene	17.96	146	3386435	13.262	ppbv	100
78) Hexachloro-1,3-Butadiene	23.51	225	2510755	12.589	ppbv	99
79) Naphthalene	22.37	128	5657994	16.020	ppbv	98
80) Naphthalene, 2-methyl-	25.09	142	2241511	15.907	ppbv	99
81) 1,2,4-Trichlorobenzene	22.10	180	3321707	14.898	ppbv	100

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

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