

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032653.D
 Acq On : 18 Oct 2018 16:06
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:04:14 PM

Quant Time: Oct 18 16:34:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 16:34:42 2018
 QLast Update : Thu Oct 18 11:41:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1777562	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4155877	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4271021m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	3200590	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1200447	6.847	ppbv	98
3) Chlorodifluoromethane	3.02	51	1193178	8.022	ppbv	100
4) Chloromethane	3.18	50	671871	8.275	ppbv	97
5) Vinyl Chloride	3.30	62	687752	8.408	ppbv	99
6) Bromomethane	3.53	94	435877	8.436	ppbv	91
7) Chloroethane	3.61	64	257840	8.053	ppbv	98
8) Dichlorotetrafluoroethane	3.23	85	1624670	8.108	ppbv	92
9) Propene	3.05	41	518678	9.513	ppbv	99
10) Heptane	8.26	43	2070961	10.143	ppbv	99
11) Trichlorofluoromethane	4.01	101	1804934	7.904	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1800626	10.770	ppbv	94
13) Ethanol	3.66	45	139969	8.296	ppbv	97
14) Bromoethene	3.80	108	570581	9.328	ppbv	99
15) Acetone	3.91	43	1201815	7.597	ppbv	100
16) 1,3-Butadiene	3.37	39	539689	9.214	ppbv	87
17) tert-Butyl alcohol	4.37	59	585864	40.581	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	840656	11.150	ppbv	96
19) Isopropyl Alcohol	4.03	45	1006447	9.009	ppbv #	97
20) Methylene Chloride	4.42	84	727649	10.268	ppbv	97
21) Allyl Chloride	4.49	41	1354376	11.409	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	833456	9.569	ppbv	85
23) Vinyl Acetate	5.17	43	2753279	10.941	ppbv	99
24) 1,1-Dichloroethane	5.10	63	2031872	8.709	ppbv	98
25) Ethyl Acetate	5.78	43	3474600	9.283	ppbv	99
26) Hexane	5.80	57	1645054	9.757	ppbv	98
27) Carbon Disulfide	4.63	76	2176600	10.684	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	2493925	11.771	ppbv	100
29) Chloroform	5.87	83	2580057	8.731	ppbv	98
30) Cyclohexane	7.26	84	1387313	10.434	ppbv	98
31) cis-1,2-Dichloroethene	5.66	61	1652738	10.204	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2552781	8.660	ppbv	99
34) 2-Butanone	5.34	43	2101645	9.111	ppbv	100
35) Carbon Tetrachloride	7.15	117	2753529	8.549	ppbv	99
36) Benzene	7.02	78	3294160	9.779	ppbv	100
37) 1,2-Dichloroethane	6.43	62	2012377	8.711	ppbv	98
38) Trichloroethene	7.98	130	1250229	9.871	ppbv	99
39) 1,2-Dichloropropane	7.75	63	1251213	9.131	ppbv	96
40) 1,4-Dioxane	7.97	88	447899	9.461	ppbv #	98
41) Tetrahydrofuran	6.16	42	1303098	10.648	ppbv	99
42) Bromodichloromethane	7.93	83	2800783	8.893	ppbv	99
43) Methyl Methacrylate	8.15	69	1327390	10.163	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5542567	9.281	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1976366	11.572	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	2096166	10.781	ppbv	99
47) 1,1,2-Trichloroethane	9.63	97	1487026	9.081	ppbv	99
48) Dibromochloromethane	10.47	129	2637377	9.482	ppbv	100
49) Bromoform	13.22	173	2050481	9.757	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3271289	9.636	ppbv	99
51) 2-Hexanone	10.29	43	2714383	10.168	ppbv #	99
52) Tetrachloroethene	11.39	164	1144136	10.317	ppbv	97
53) Toluene	9.97	91	4118539	10.724	ppbv	100
54) 1,2-Dibromoethane	10.78	107	2282378	9.734	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1706807	8.703	ppbv	98
57) Chlorobenzene	12.32	112	2882592	8.875	ppbv	96
58) Ethyl Benzene	12.88	91	5171992	10.783	ppbv	99
59) m/p-Xylene	13.14	91	8643353m	20.187	ppbv	
60) o-Xylene	13.87	91	4132020	9.685	ppbv	100
61) Styrene	13.70	104	3157828	12.212	ppbv	98
62) Isopropylbenzene	14.84	105	5772473	9.497	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2899756	7.701	ppbv	100
64) n-propylbenzene	15.74	120	1486493	9.651	ppbv	94
65) tert-Butylbenzene	16.93	119	4975883	9.648	ppbv	97
66) Benzyl Chloride	17.17	91	2981899	10.255	ppbv	99
67) sec-Butylbenzene	17.48	105	7024692	9.050	ppbv	98
69) p-Isopropyltoluene	17.83	119	5682723	9.673	ppbv	98
70) n-Butylbenzene	18.73	91	5924920	9.154	ppbv	99
71) 2-Chlorotoluene	15.63	91	4331184	9.639	ppbv	98
72) 4-Ethyltoluene	16.02	105	4663866	10.112	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4411481	9.616	ppbv	97
74) 1,2,4-Trimethylbenzene	16.95	105	4482356	8.875	ppbv	94
75) 1,3-Dichlorobenzene	17.18	146	2523701	8.598	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2471945	9.242	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2407255	8.531	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	955871	6.053	ppbv	100
79) Naphthalene	22.43	128	3430207	9.987	ppbv	99
80) Naphthalene, 2-methyl-	25.13	142	1279840	19.189	ppbv	100
81) 1,2,4-Trichlorobenzene	22.16	180	1734193	10.171	ppbv	99

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

