

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032662.D
 Acq On : 19 Oct 2018 00:24
 Operator : SY/AP
 Sample : VL1018ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1018ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:05:01 PM

Quant Time: Oct 19 01:46:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 01:46:02 2018
 QLast Update : Fri Oct 19 01:25:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1658643	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4254065	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4390293m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	3198947	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	1964182	11.623	ppbv	98
3) Chlorodifluoromethane	3.02	51	1158339	8.930	ppbv	99
4) Chloromethane	3.18	50	676407	9.331	ppbv	98
5) Vinyl Chloride	3.30	62	690055	8.789	ppbv	99
6) Bromomethane	3.53	94	439955	8.987	ppbv	93
7) Chloroethane	3.61	64	259191	8.965	ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	1570848	8.819	ppbv	92
9) Propene	3.05	41	535841	10.038	ppbv	99
10) Heptane	8.26	43	2079968	10.111	ppbv	98
11) Trichlorofluoromethane	4.02	101	1927486	8.732	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1390411	7.574	ppbv	92
13) Ethanol	3.66	45	131635	8.628	ppbv	98
14) Bromoethene	3.80	108	549162	8.852	ppbv	100
15) Acetone	3.91	43	1165197	7.608	ppbv	100
16) 1,3-Butadiene	3.38	39	578472	10.267	ppbv	80
17) tert-Butyl alcohol	4.37	59	446008	9.901	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	752809	9.335	ppbv	95
19) Isopropyl Alcohol	4.04	45	940417	8.622	ppbv #	98
20) Methylene Chloride	4.42	84	650411	8.366	ppbv	97
21) Allyl Chloride	4.49	41	1287140	10.235	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	750622	9.074	ppbv	88
23) Vinyl Acetate	5.17	43	2736695	10.083	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1952893	9.166	ppbv	99
25) Ethyl Acetate	5.79	43	3230337	9.163	ppbv	100
26) Hexane	5.80	57	1509817	9.051	ppbv	99
27) Carbon Disulfide	4.63	76	1743474	8.616	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	2426753	10.123	ppbv	99
29) Chloroform	5.87	83	2349024	8.816	ppbv	100
30) Cyclohexane	7.26	84	1395880	10.572	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1459045	9.433	ppbv	99
32) 1,1,1-Trichloroethane	6.64	97	2414175	8.916	ppbv	98
34) 2-Butanone	5.34	43	2231484	9.785	ppbv	99
35) Carbon Tetrachloride	7.15	117	2632140	8.718	ppbv	99
36) Benzene	7.02	78	3305096	9.567	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1868036	8.816	ppbv	98
38) Trichloroethene	7.98	130	1255295	9.816	ppbv	99
39) 1,2-Dichloropropane	7.76	63	1256397	9.418	ppbv	98
40) 1,4-Dioxane	7.98	88	429126	9.419	ppbv #	96
41) Tetrahydrofuran	6.17	42	1320991	10.395	ppbv	99
42) Bromodichloromethane	7.94	83	2673214	9.005	ppbv	98
43) Methyl Methacrylate	8.16	69	1325179	10.467	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5519814	9.360	ppbv	100
45) t-1,3-Dichloropropene	9.44	75	1907060	11.253	ppbv	100
46) cis-1,3-Dichloropropene	8.86	75	2045331	10.563	ppbv	99
47) 1,1,2-Trichloroethane	9.63	97	1446770	9.179	ppbv	99
48) Dibromochloromethane	10.47	129	2280963	8.682	ppbv	100
49) Bromoform	13.23	173	1917945	9.290	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3491713	10.335	ppbv	99
51) 2-Hexanone	10.29	43	2433329	9.689	ppbv #	99
52) Tetrachloroethene	11.39	164	1177783	9.779	ppbv	96
53) Toluene	9.97	91	4129521	10.428	ppbv	99
54) 1,2-Dibromoethane	10.78	107	2072947	9.676	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.30	131	1645517	8.571	ppbv #	56
57) Chlorobenzene	12.32	112	2851247	8.831	ppbv	96
58) Ethyl Benzene	12.89	91	5094672	9.989	ppbv	100
59) m/p-Xylene	13.17	91	8406367m	18.509	ppbv	
60) o-Xylene	13.87	91	4022396	9.181	ppbv	99
61) Styrene	13.70	104	3127833	10.648	ppbv	97
62) Isopropylbenzene	14.85	105	5608325	9.045	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2742451	7.989	ppbv	99
64) n-propylbenzene	15.74	120	1423721	9.239	ppbv	97
65) tert-Butylbenzene	16.93	119	4744926	8.985	ppbv	96
66) Benzyl Chloride	17.18	91	2710581	9.941	ppbv	99
67) sec-Butylbenzene	17.48	105	6695901	8.915	ppbv	99
69) p-Isopropyltoluene	17.84	119	5429353	9.123	ppbv	98
70) n-Butylbenzene	18.73	91	5473443	8.933	ppbv	99
71) 2-Chlorotoluene	15.64	91	4182577	9.491	ppbv	98
72) 4-Ethyltoluene	16.02	105	4527897	9.703	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	4238680	9.326	ppbv	96
74) 1,2,4-Trimethylbenzene	16.95	105	4262461	8.782	ppbv	92
75) 1,3-Dichlorobenzene	17.19	146	2371707	8.498	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2379120	9.237	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2256826	8.535	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	1200798	9.611	ppbv	100
79) Naphthalene	22.43	128	3530225	11.702	ppbv	100
80) Naphthalene, 2-methyl-	25.13	142	1202724	16.395	ppbv	99
81) 1,2,4-Trichlorobenzene	22.16	180	1656794	10.604	ppbv	99

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

