

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092718\
 Data File : VL032549.D
 Acq On : 27 Sep 2018 13:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:57:35 AM

Quant Time: Sep 28 02:22:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 28 02:22:20 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1491282	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3388237	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3777593m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2632227	9.24	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	1062044	7.700	ppbv	99
3) Chlorodifluoromethane	3.03	51	1138551	9.181	ppbv	99
4) Chloromethane	3.19	50	651222	9.006	ppbv	100
5) Vinyl Chloride	3.31	62	626120	8.569	ppbv	99
6) Bromomethane	3.53	94	363551	9.098	ppbv	99
7) Chloroethane	3.62	64	230165	8.841	ppbv	99
8) Dichlorotetrafluoroethane	3.24	85	1389557	9.220	ppbv	100
9) Propene	3.05	41	510121	9.481	ppbv	99
10) Heptane	8.28	43	2046374	10.369	ppbv	99
11) Trichlorofluoromethane	4.02	101	1458459	8.895	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1288361	9.612	ppbv	99
13) Ethanol	3.67	45	128215	7.927	ppbv	92
14) Bromoethene	3.80	108	442874	9.312	ppbv	99
15) Acetone	3.92	43	1086412	8.299	ppbv	99
16) 1,3-Butadiene	3.38	39	521101	9.816	ppbv	96
17) tert-Butyl alcohol	4.38	59	141552	8.605	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	606740	9.666	ppbv	99
19) Isopropyl Alcohol	4.04	45	845833	9.277	ppbv #	98
20) Methylene Chloride	4.43	84	539109	8.505	ppbv	97
21) Allyl Chloride	4.50	41	1075008	10.048	ppbv	100
22) trans-1,2-Dichloroethene	4.99	96	598032	10.109	ppbv	96
23) Vinyl Acetate	5.18	43	2375892	10.271	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1811222	9.403	ppbv	99
25) Ethyl Acetate	5.79	43	3052782	9.611	ppbv	99
26) Hexane	5.80	57	1392482	9.706	ppbv	98
27) Carbon Disulfide	4.64	76	1615912	10.477	ppbv	100
28) Methyl tert-Butyl Ether	5.14	73	1868669	10.456	ppbv	99
29) Chloroform	5.88	83	2157457	9.800	ppbv	100
30) Cyclohexane	7.28	84	1213362	10.386	ppbv	98
31) cis-1,2-Dichloroethene	5.67	61	1447198	10.591	ppbv	99
32) 1,1,1-Trichloroethane	6.65	97	2168338	9.243	ppbv	98
34) 2-Butanone	5.35	43	1981417	9.820	ppbv	99
35) Carbon Tetrachloride	7.16	117	2157795	9.165	ppbv	99
36) Benzene	7.04	78	2993937	10.934	ppbv	98
37) 1,2-Dichloroethane	6.44	62	1751405	10.613	ppbv	99
38) Trichloroethene	7.99	130	1083074	10.334	ppbv	99
39) 1,2-Dichloropropane	7.77	63	1207539	9.786	ppbv	98
40) 1,4-Dioxane	7.98	88	376334	9.947	ppbv #	1
41) Tetrahydrofuran	6.17	42	1220007	11.129	ppbv	98
42) Bromodichloromethane	7.95	83	2470503	9.993	ppbv	98
43) Methyl Methacrylate	8.17	69	1261331	11.027	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5323773	9.948	ppbv	100
45) t-1,3-Dichloropropene	9.45	75	1575702	11.074	ppbv	96
46) cis-1,3-Dichloropropene	8.87	75	1835082	10.995	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1325449	9.671	ppbv	97
48) Dibromochloromethane	10.49	129	2211358	10.261	ppbv	100
49) Bromoform	13.24	173	1695338	10.295	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	3105079	9.790	ppbv	100
51) 2-Hexanone	10.30	43	2875106	10.961	ppbv	100
52) Tetrachloroethene	11.41	164	936308	9.821	ppbv	98
53) Toluene	9.98	91	3718110	11.143	ppbv	100
54) 1,2-Dibromoethane	10.79	107	2031657	10.422	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.32	131	1464947	8.627	ppbv #	60
57) Chlorobenzene	12.34	112	2571272	8.450	ppbv	98
58) Ethyl Benzene	12.90	91	4627474	10.099	ppbv	96
59) m/p-Xylene	13.19	91	7629333m	18.713	ppbv	
60) o-Xylene	13.89	91	3737174	9.415	ppbv	100
61) Styrene	13.72	104	2770948	10.672	ppbv	99
62) Isopropylbenzene	14.86	105	5245432	9.344	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2814923	7.982	ppbv	100
64) n-propylbenzene	15.76	120	1344165	9.321	ppbv	96
65) tert-Butylbenzene	16.94	119	4381372	9.106	ppbv	99
66) Benzyl Chloride	17.19	91	2791182	10.065	ppbv	100
67) sec-Butylbenzene	17.50	105	6524267	9.120	ppbv	100
69) p-Isopropyltoluene	17.85	119	5212621	9.434	ppbv	99
70) n-Butylbenzene	18.75	91	5750812	9.529	ppbv	99
71) 2-Chlorotoluene	15.65	91	4152669	9.713	ppbv	99
72) 4-Ethyltoluene	16.04	105	4304183	9.990	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	4100685	9.794	ppbv	98
74) 1,2,4-Trimethylbenzene	16.96	105	4142944	9.190	ppbv	98
75) 1,3-Dichlorobenzene	17.20	146	2321428	8.345	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2322658	9.119	ppbv	99
77) 1,2-Dichlorobenzene	18.02	146	2255068	8.620	ppbv	98
78) Hexachloro-1,3-Butadiene	23.58	225	1371457	13.968	ppbv	99
79) Naphthalene	22.45	128	3802029	11.693	ppbv	99
80) Naphthalene, 2-methyl-	25.14	142	1438827	18.849	ppbv	99
81) 1,2,4-Trichlorobenzene	22.18	180	1794953	10.771	ppbv	99

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

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