

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032950.D
 Acq On : 8 Dec 2018 1:45
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:09:48 AM

Quant Time: Dec 08 04:46:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1467279	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3592878	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3545293m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2618545	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1525381	7.787	ppbv	99
3) Chlorodifluoromethane	3.01	51	992815	8.934	ppbv	96
4) Chloromethane	3.17	50	558616	8.635	ppbv	98
5) Vinyl Chloride	3.29	62	556854	8.460	ppbv	96
6) Bromomethane	3.51	94	388503	9.436	ppbv	97
7) Chloroethane	3.60	64	229187	9.714	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1375614	8.451	ppbv	98
9) Propene	3.04	41	434463	9.888	ppbv	99
10) Heptane	8.25	43	1773344	10.744	ppbv	99
11) Trichlorofluoromethane	4.00	101	1623134	8.795	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1381716	8.776	ppbv	100
13) Ethanol	3.65	45	106234	7.022	ppbv	96
14) Bromoethene	3.79	108	513064	9.815	ppbv	99
15) Acetone	3.90	43	1046625	8.310	ppbv	98
16) 1,3-Butadiene	3.36	39	530235	10.612	ppbv	96
17) tert-Butyl alcohol	4.35	59	281599m	8.782	ppbv	
18) 1,1-Dichloroethene	4.35	96	512289	8.308	ppbv	98
19) Isopropyl Alcohol	4.02	45	816915	10.329	ppbv	100
20) Methylene Chloride	4.41	84	498540	8.099	ppbv	93
21) Allyl Chloride	4.48	41	1030082	10.036	ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	663616	8.671	ppbv	99
23) Vinyl Acetate	5.16	43	2198367	10.310	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1624366	8.760	ppbv	99
25) Ethyl Acetate	5.77	43	3051016	10.255	ppbv	100
26) Hexane	5.78	57	1422569	10.357	ppbv	99
27) Carbon Disulfide	4.62	76	1613496	9.395	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	2070565	10.037	ppbv	99
29) Chloroform	5.85	83	2232880	9.111	ppbv	96
30) Cyclohexane	7.25	84	1231768	10.820	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1245872	9.884	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	2214894	8.541	ppbv	99
34) 2-Butanone	5.33	43	1707051	10.908	ppbv	100
35) Carbon Tetrachloride	7.14	117	2526775	8.947	ppbv	99
36) Benzene	7.01	78	2875655	10.882	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1786715	9.931	ppbv	98
38) Trichloroethene	7.96	130	1169488	10.634	ppbv	98
39) 1,2-Dichloropropane	7.74	63	1101348	10.989	ppbv	91
40) 1,4-Dioxane	7.96	88	408621	11.069	ppbv #	94
41) Tetrahydrofuran	6.15	42	1135960	11.671	ppbv	98
42) Bromodichloromethane	7.92	83	2523487	10.123	ppbv	99
43) Methyl Methacrylate	8.14	69	1148193	11.726	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4904154	10.933	ppbv	98
45) t-1,3-Dichloropropene	9.42	75	1555160	12.953	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1810922	12.323	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	1202459	10.900	ppbv	98
48) Dibromochloromethane	10.46	129	2199153	10.627	ppbv	99
49) Bromoform	13.21	173	1827382	10.736	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2776002	11.092	ppbv	100
51) 2-Hexanone	10.27	43	2229263	13.135	ppbv	98
52) Tetrachloroethene	11.38	164	1035254	10.770	ppbv	98
53) Toluene	9.95	91	3283537	11.716	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1871864	10.862	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1538743	9.735	ppbv	99
57) Chlorobenzene	12.31	112	2525204	9.862	ppbv	97
58) Ethyl Benzene	12.87	91	4785784	12.654	ppbv	96
59) m/p-Xylene	13.13	91	7481568m	21.819	ppbv	
60) o-Xylene	13.85	91	3888739	11.230	ppbv	98
61) Styrene	13.69	104	2769136	12.022	ppbv	98
62) Isopropylbenzene	14.83	105	5183073	10.728	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2661748	9.899	ppbv	99
64) n-propylbenzene	15.73	120	1424722	11.354	ppbv	97
65) tert-Butylbenzene	16.91	119	4843353	10.814	ppbv	99
66) Benzyl Chloride	17.16	91	2829787	11.399	ppbv	99
67) sec-Butylbenzene	17.46	105	6774698	10.260	ppbv	100
69) p-Isopropyltoluene	17.82	119	5263078	9.835	ppbv	100
70) n-Butylbenzene	18.72	91	5361395	10.890	ppbv	100
71) 2-Chlorotoluene	15.62	91	4214508	11.731	ppbv	99
72) 4-Ethyltoluene	16.01	105	4270826	11.048	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	4047689	10.725	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	4372236	10.260	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	2494707	9.941	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	2460539	10.508	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2235085	9.537	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	968825	7.517	ppbv	99
79) Naphthalene	22.42	128	3183251	11.569	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	827137	14.069	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1552231	10.637	ppbv	100

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

