

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032927.D
 Acq On : 7 Dec 2018 8:30
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:08:32 AM

Quant Time: Dec 08 02:06:55 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	5.77	49	1175423	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3341277	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3525077	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2395610	9.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1517605	9.672	ppbv	99
3) Chlorodifluoromethane	3.02	51	892389	10.025	ppbv	97
4) Chloromethane	3.17	50	500555	9.658	ppbv	95
5) Vinyl Chloride	3.29	62	507943	9.632	ppbv	99
6) Bromomethane	3.52	94	333644	10.116	ppbv	95
7) Chloroethane	3.60	64	192929	10.208	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1266962	9.716	ppbv	98
9) Propene	3.04	41	387005	10.995	ppbv	97
10) Heptane	8.25	43	1541956	11.662	ppbv	99
11) Trichlorofluoromethane	4.01	101	1438892	9.733	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1036836	8.220	ppbv	99
13) Ethanol	3.65	45	87268	7.201	ppbv	96
14) Bromoethene	3.79	108	427051	10.198	ppbv	99
15) Acetone	3.90	43	900470	8.925	ppbv	98
16) 1,3-Butadiene	3.37	39	410054	10.244	ppbv	94
17) tert-Butyl alcohol	4.36	59	248033	9.656	ppbv #	81
18) 1,1-Dichloroethene	4.35	96	454652	9.204	ppbv	97
19) Isopropyl Alcohol	4.03	45	659563	10.410	ppbv #	99
20) Methylene Chloride	4.41	84	422470	8.568	ppbv	98
21) Allyl Chloride	4.48	41	755557	9.189	ppbv	97
22) trans-1,2-Dichloroethene	4.97	96	602902	9.834	ppbv	96
23) Vinyl Acetate	5.16	43	2252839	13.188	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1688443	11.367	ppbv	99
25) Ethyl Acetate	5.77	43	2357865	9.893	ppbv	99
26) Hexane	5.79	57	1083334	9.845	ppbv	98
27) Carbon Disulfide	4.62	76	1211295	8.804	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2131023	12.895	ppbv	100
29) Chloroform	5.86	83	1712309	8.721	ppbv	96
30) Cyclohexane	7.25	84	1078330	11.824	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	1128167	11.173	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	2108106	10.148	ppbv	99
34) 2-Butanone	5.33	43	1406325	9.663	ppbv	99
35) Carbon Tetrachloride	7.14	117	2279112	8.678	ppbv	98
36) Benzene	7.01	78	2539493	10.333	ppbv	97
37) 1,2-Dichloroethane	6.42	62	1597464	9.547	ppbv	98
38) Trichloroethene	7.97	130	1025415	10.026	ppbv	99
39) 1,2-Dichloropropane	7.74	63	938231	10.066	ppbv	96
40) 1,4-Dioxane	7.96	88	334651	9.748	ppbv #	97
41) Tetrahydrofuran	6.15	42	946323	10.455	ppbv	100
42) Bromodichloromethane	7.92	83	2202108	9.499	ppbv	98
43) Methyl Methacrylate	8.14	69	997025	10.949	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032927.D
 Acq On : 7 Dec 2018 8:30
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL120718

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:08:32 AM

Quant Time: Dec 08 02:06:55 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)
44) 2,2,4-Trimethylpentane	8.00	57	4209964	10.092	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1364730	12.223	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1571616	11.500	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1059857	10.331	ppbv	98
48) Dibromochloromethane	10.46	129	1943363	10.098	ppbv	100
49) Bromoform	13.21	173	1634661	10.327	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2416994	10.385	ppbv	100
51) 2-Hexanone	10.28	43	1835490	11.629	ppbv #	99
52) Tetrachloroethene	11.38	164	900166	10.070	ppbv	97
53) Toluene	9.95	91	2796118	10.728	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1645509	10.268	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1374025	8.743	ppbv	98
57) Chlorobenzene	12.31	112	2248265	8.831	ppbv	100
58) Ethyl Benzene	12.87	91	3948990	10.501	ppbv	98
59) m/p-Xylene	13.13	91	6550591m	19.214	ppbv	
60) o-Xylene	13.86	91	3168007	9.201	ppbv	99
61) Styrene	13.70	104	2395233	10.458	ppbv	99
62) Isopropylbenzene	14.84	105	4619527	9.617	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2180009	8.154	ppbv	100
64) n-propylbenzene	15.73	120	1191113	9.547	ppbv	97
65) tert-Butylbenzene	16.92	119	4083984	9.171	ppbv	100
66) Benzyl Chloride	17.16	91	2425587	9.827	ppbv	99
67) sec-Butylbenzene	17.47	105	6249475	9.518	ppbv	100
69) p-Isopropyltoluene	17.83	119	5160131	9.698	ppbv	100
70) n-Butylbenzene	18.72	91	4880777	9.970	ppbv	100
71) 2-Chlorotoluene	15.62	91	3420166	9.574	ppbv	99
72) 4-Ethyltoluene	16.01	105	4039991	10.510	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3849298	10.258	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	3697920	8.727	ppbv	94
75) 1,3-Dichlorobenzene	17.18	146	2094066	8.392	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2065409	8.871	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2225756	9.552	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1285726	10.033	ppbv	99
79) Naphthalene	22.42	128	3108481	11.362	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	870229	14.887	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1544861	10.647	ppbv	100

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

