

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032521.D
 Acq On : 24 Sep 2018 21:38
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Manual Integrations
 APPROVED

apatel
 9/26/2018 4:47:33 PM

Quant Time: Sep 25 06:03:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 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	1532132	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3654106	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3669825m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2806365	10.14	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	1075423	7.589	ppbv	99
3) Chlorodifluoromethane	3.03	51	1160738	9.110	ppbv	99
4) Chloromethane	3.19	50	670778	9.029	ppbv	98
5) Vinyl Chloride	3.31	62	647485	8.625	ppbv	99
6) Bromomethane	3.53	94	391173	9.528	ppbv	100
7) Chloroethane	3.62	64	267565	10.003	ppbv	100
8) Dichlorotetrafluoroethane	3.24	85	1410232	9.108	ppbv	100
9) Propene	3.05	41	525654	9.509	ppbv	98
10) Heptane	8.28	43	2066744	10.193	ppbv	97
11) Trichlorofluoromethane	4.02	101	1561577	9.270	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1256838	9.127	ppbv	99
13) Ethanol	3.67	45	147997	8.907	ppbv	97
14) Bromoethene	3.81	108	478570	9.794	ppbv	100
15) Acetone	3.92	43	1175680	8.742	ppbv	100
16) 1,3-Butadiene	3.38	39	542345	9.944	ppbv	98
17) tert-Butyl alcohol	4.38	59	143417	8.486	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	616728	9.563	ppbv	99
19) Isopropyl Alcohol	4.04	45	917240	9.792	ppbv	99
20) Methylene Chloride	4.43	84	540902	8.306	ppbv	98
21) Allyl Chloride	4.50	41	1064093	9.681	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	587296	9.663	ppbv	98
23) Vinyl Acetate	5.18	43	2438331	10.260	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1828718	9.241	ppbv	99
25) Ethyl Acetate	5.80	43	3068020	9.402	ppbv	100
26) Hexane	5.80	57	1414778	9.598	ppbv	99
27) Carbon Disulfide	4.64	76	1599996	10.097	ppbv	98
28) Methyl tert-Butyl Ether	5.14	73	1849990	10.075	ppbv	99
29) Chloroform	5.88	83	2114653	9.350	ppbv	98
30) Cyclohexane	7.28	84	1264364	10.534	ppbv	100
31) cis-1,2-Dichloroethene	5.67	61	1428275	10.174	ppbv	100
32) 1,1,1-Trichloroethane	6.65	97	2015490	8.362	ppbv	99
34) 2-Butanone	5.35	43	2074496	9.533	ppbv	100
35) Carbon Tetrachloride	7.16	117	2273474	8.954	ppbv	100
36) Benzene	7.04	78	2814650	9.531	ppbv	98
37) 1,2-Dichloroethane	6.44	62	1646615	9.252	ppbv	99
38) Trichloroethene	7.99	130	1139177	10.078	ppbv	97
39) 1,2-Dichloropropane	7.77	63	1249892	9.392	ppbv	100
40) 1,4-Dioxane	7.99	88	395586	9.695	ppbv	93
41) Tetrahydrofuran	6.17	42	1212619	10.257	ppbv	98
42) Bromodichloromethane	7.95	83	2567227	9.628	ppbv	98
43) Methyl Methacrylate	8.17	69	1304416	10.574	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032521.D
 Acq On : 24 Sep 2018 21:38
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092418

Manual Integrations
 APPROVED

apatel
 9/26/2018 4:47:33 PM

Quant Time: Sep 25 06:03:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5526730	9.576	ppbv	100
45) t-1,3-Dichloropropene	9.45	75	1807619	11.779	ppbv	99
46) cis-1,3-Dichloropropene	8.87	75	1735249	9.641	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1391736	9.416	ppbv	98
48) Dibromochloromethane	10.49	129	2281610	9.817	ppbv	100
49) Bromoform	13.24	173	1758805	9.904	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	2940828	8.598	ppbv	99
51) 2-Hexanone	10.30	43	2983735	10.548	ppbv	99
52) Tetrachloroethene	11.41	164	973482	9.468	ppbv	97
53) Toluene	9.98	91	3860129	10.727	ppbv	99
54) 1,2-Dibromoethane	10.80	107	2086987	9.927	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.32	131	1526693	9.255	ppbv #	59
57) Chlorobenzene	12.34	112	2708165	9.161	ppbv	99
58) Ethyl Benzene	12.90	91	4797383	10.777	ppbv	98
59) m/p-Xylene	13.18	91	7934011m	20.032	ppbv	
60) o-Xylene	13.88	91	3870812	10.038	ppbv	99
61) Styrene	13.72	104	2898096	11.489	ppbv	99
62) Isopropylbenzene	14.86	105	5469858	10.030	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.87	83	2958641	8.636	ppbv	100
64) n-propylbenzene	15.76	120	1419911	10.135	ppbv	98
65) tert-Butylbenzene	16.94	119	4610418	9.864	ppbv	99
66) Benzyl Chloride	17.19	91	2922374	10.848	ppbv	100
67) sec-Butylbenzene	17.49	105	6825555	9.822	ppbv	99
69) p-Isopropyltoluene	17.85	119	5477656	10.205	ppbv	100
70) n-Butylbenzene	18.75	91	6014014	10.258	ppbv	100
71) 2-Chlorotoluene	15.65	91	4296224	10.344	ppbv	100
72) 4-Ethyltoluene	16.04	105	4532128	10.828	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	4298655	10.568	ppbv	97
74) 1,2,4-Trimethylbenzene	16.96	105	4332940	9.893	ppbv	95
75) 1,3-Dichlorobenzene	17.20	146	2444856	9.047	ppbv	99
76) 1,4-Dichlorobenzene	17.34	146	2440631	9.863	ppbv	100
77) 1,2-Dichlorobenzene	18.02	146	2402146	9.452	ppbv	100
78) Hexachloro-1,3-Butadiene	23.57	225	834398	8.748	ppbv	99
79) Naphthalene	22.45	128	4002994	12.673	ppbv	100
80) Naphthalene, 2-methyl-	25.14	142	1483824	20.009	ppbv	99
81) 1,2,4-Trichlorobenzene	22.17	180	1908281	11.787	ppbv	99

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

