

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032774.D
 Acq On : 15 Nov 2018 00:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:30:17 PM

Quant Time: Nov 15 07:26:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:26:42 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1573209	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4099983	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4054386	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2886621	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1996009	8.826	ppbv	100
3) Chlorodifluoromethane	3.02	51	1145592	9.185	ppbv	98
4) Chloromethane	3.17	50	651722	9.423	ppbv	97
5) Vinyl Chloride	3.30	62	661909	9.032	ppbv	97
6) Bromomethane	3.52	94	417991	9.324	ppbv	95
7) Chloroethane	3.61	64	245233	9.285	ppbv	96
8) Dichlorotetrafluoroethane	3.23	85	1559757	8.753	ppbv	99
9) Propene	3.04	41	513693	10.292	ppbv	99
10) Heptane	8.26	43	1987858	10.432	ppbv	98
11) Trichlorofluoromethane	4.01	101	1729117	8.114	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1475354	8.475	ppbv	100
13) Ethanol	3.66	45	112658	6.891	ppbv	95
14) Bromoethene	3.80	108	546787	9.468	ppbv	99
15) Acetone	3.91	43	1134132	7.894	ppbv	99
16) 1,3-Butadiene	3.37	39	559347	10.053	ppbv	96
17) tert-Butyl alcohol	4.37	59	473541	10.509	ppbv	100
18) 1,1-Dichloroethene	4.36	96	822980	9.614	ppbv	99
19) Isopropyl Alcohol	4.03	45	828294	8.654	ppbv	99
20) Methylene Chloride	4.42	84	706394	9.497	ppbv	97
21) Allyl Chloride	4.48	41	1341624	11.112	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	765747	9.161	ppbv	96
23) Vinyl Acetate	5.16	43	2732428	10.433	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1959121	9.409	ppbv	99
25) Ethyl Acetate	5.78	43	3221216	9.620	ppbv	99
26) Hexane	5.79	57	1481942	9.942	ppbv	99
27) Carbon Disulfide	4.62	76	1930634	10.215	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2496558	10.503	ppbv	99
29) Chloroform	5.86	83	2410837	9.075	ppbv	97
30) Cyclohexane	7.26	84	1368199	10.495	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1545070	10.310	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2620659	8.999	ppbv	99
34) 2-Butanone	5.34	43	2096838	9.860	ppbv	98
35) Carbon Tetrachloride	7.14	117	2787638	8.458	ppbv	98
36) Benzene	7.01	78	3290832	10.079	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1970343	8.965	ppbv	98
38) Trichloroethene	7.97	130	1254304	9.493	ppbv	95
39) 1,2-Dichloropropane	7.74	63	1247969	10.032	ppbv	98
40) 1,4-Dioxane	7.96	88	448130	10.086	ppbv	88
41) Tetrahydrofuran	6.16	42	1294581	10.613	ppbv	100
42) Bromodichloromethane	7.93	83	2759734	9.263	ppbv	99
43) Methyl Methacrylate	8.14	69	1295716	10.630	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032774.D
 Acq On : 15 Nov 2018 00:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:30:17 PM

Quant Time: Nov 15 07:26:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:26:42 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5347967	9.802	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1879402	11.491	ppbv	96
46) cis-1,3-Dichloropropene	8.84	75	2159278	10.928	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1394567	9.481	ppbv	98
48) Dibromochloromethane	10.46	129	2343574	9.374	ppbv	100
49) Bromoform	13.21	173	1850067	8.961	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3293907	9.917	ppbv	99
51) 2-Hexanone	10.28	43	2336509	10.919	ppbv	100
52) Tetrachloroethene	11.38	164	1108088	9.757	ppbv	96
53) Toluene	9.95	91	3700351	10.864	ppbv	99
54) 1,2-Dibromoethane	10.77	107	2022935	9.729	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1628389	8.611	ppbv	99
57) Chlorobenzene	12.31	112	2732955	8.806	ppbv	99
58) Ethyl Benzene	12.87	91	4868689	9.978	ppbv	99
59) m/p-Xylene	13.13	91	8068832m	18.576	ppbv	
60) o-Xylene	13.86	91	3881730	8.888	ppbv	99
61) Styrene	13.69	104	2960784	10.414	ppbv	99
62) Isopropylbenzene	14.83	105	5448559	9.229	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2614612	7.679	ppbv	100
64) n-propylbenzene	15.73	120	1385258	8.921	ppbv	98
65) tert-Butylbenzene	16.92	119	4649731	8.786	ppbv	99
66) Benzyl Chloride	17.16	91	2700240	9.229	ppbv	100
67) sec-Butylbenzene	17.47	105	6618761	8.678	ppbv	100
69) p-Isopropyltoluene	17.82	119	5444628	8.978	ppbv	99
70) n-Butylbenzene	18.72	91	5600414	9.095	ppbv	100
71) 2-Chlorotoluene	15.62	91	4058383	9.218	ppbv	100
72) 4-Ethyltoluene	16.01	105	4388498	9.167	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	4145840	8.858	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4203925	8.393	ppbv #	92
75) 1,3-Dichlorobenzene	17.17	146	2354836	8.196	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2356841	8.782	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2344834	8.822	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1738810	12.122	ppbv	100
79) Naphthalene	22.42	128	4207688	12.788	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1123259	13.630	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	1961986	11.874	ppbv	99

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

