

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092419\
 Data File : VL034199.D
 Acq On : 24 Sep 2019 12:31
 Operator : SY/AP
 Sample : VL0924ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:39:30 AM

Quant Time: Sep 25 05:53:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1140640	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1948821	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2244437	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1799707	9.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1459431	8.662	ppbv	99
3) Chlorodifluoromethane	2.97	51	1266588	9.470	ppbv	100
4) Chloromethane	3.13	50	759350	9.662	ppbv	99
5) Vinyl Chloride	3.25	62	669101	9.316	ppbv	98
6) Bromomethane	3.47	94	323718	9.660	ppbv	99
7) Chloroethane	3.55	64	242707	9.668	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1406608	9.459	ppbv	97
9) Propene	2.99	41	620857	9.409	ppbv	99
10) Heptane	8.18	43	1659198	9.648	ppbv	100
11) Trichlorofluoromethane	3.95	101	1480264	9.652	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	959498	9.560	ppbv	99
13) Ethanol	3.60	45	133021	8.325	ppbv	98
14) Bromoethene	3.74	108	406867	9.915	ppbv	99
15) Acetone	3.85	43	1268545	8.298	ppbv	100
16) 1,3-Butadiene	3.32	39	667793	10.009	ppbv	100
17) tert-Butyl alcohol	4.30	59	1075766	11.106	ppbv	99
18) 1,1-Dichloroethene	4.30	96	433496	9.903	ppbv	95
19) Isopropyl Alcohol	3.98	45	961352	10.226	ppbv	100
20) Methylene Chloride	4.35	84	407413	9.243	ppbv	96
21) Allyl Chloride	4.42	41	881402	10.207	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	426332	9.734	ppbv	98
23) Vinyl Acetate	5.10	43	2169194	9.629	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1408460	9.285	ppbv	99
25) Ethyl Acetate	5.71	43	2644619	9.148	ppbv	100
26) Hexane	5.72	57	1128036	9.380	ppbv	99
27) Carbon Disulfide	4.56	76	1192044	10.748	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1700823	9.523	ppbv	100
29) Chloroform	5.79	83	1644212	9.568	ppbv	98
30) Cyclohexane	7.18	84	828797	9.546	ppbv	97
31) cis-1,2-Dichloroethene	5.58	61	1194837	9.747	ppbv	95
32) 1,1,1-Trichloroethane	6.56	97	1569502	9.470	ppbv	99
34) 2-Butanone	5.27	43	1840715	9.250	ppbv	100
35) Carbon Tetrachloride	7.07	117	1562456	9.650	ppbv	97
36) Benzene	6.94	78	2023988	9.404	ppbv	98
37) 1,2-Dichloroethane	6.35	62	1485650	9.704	ppbv	99
38) Trichloroethene	7.89	130	681278	8.859	ppbv	97
39) 1,2-Dichloropropane	7.67	63	898726	9.293	ppbv	98
40) 1,4-Dioxane	7.88	88	298330	9.533	ppbv #	91
41) Tetrahydrofuran	6.09	42	1100892	9.823	ppbv	99
42) Bromodichloromethane	7.85	83	1820744	9.910	ppbv	99
43) Methyl Methacrylate	8.07	69	886148	9.966	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3786417	9.138	ppbv	99
45) t-1,3-Dichloropropene	9.35	75	1167573	11.106	ppbv	96
46) cis-1,3-Dichloropropene	8.77	75	1319352	10.433	ppbv	100
47) 1,1,2-Trichloroethane	9.55	97	807808	9.302	ppbv	97
48) Dibromochloromethane	10.38	129	1362616	9.900	ppbv	100
49) Bromoform	13.13	173	1126453	10.114	ppbv	98
50) 4-Methyl-2-Pentanone	8.80	43	2702739	9.333	ppbv	98
51) 2-Hexanone	10.20	43	2298039	9.456	ppbv	99
52) Tetrachloroethene	11.30	164	608067	8.551	ppbv	92
53) Toluene	9.87	91	2217651	9.428	ppbv	99
54) 1,2-Dibromoethane	10.69	107	1213807	9.399	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.21	131	887741	8.869	ppbv	99
57) Chlorobenzene	12.23	112	1591992	8.147	ppbv	97
58) Ethyl Benzene	12.79	91	3032873	8.375	ppbv	98
59) m/p-Xylene	13.08	91	4977122m	16.593	ppbv	
60) o-Xylene	13.77	91	2479764	8.268	ppbv	99
61) Styrene	13.61	104	1820620	8.474	ppbv	99
62) Isopropylbenzene	14.75	105	3205543	8.256	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.77	83	1827207	7.429	ppbv	99
64) n-propylbenzene	15.65	120	811510	8.261	ppbv	90
65) tert-Butylbenzene	16.84	119	2725122	8.033	ppbv	100
66) Benzyl Chloride	17.09	91	1289219	10.741	ppbv	99
67) sec-Butylbenzene	17.39	105	3936658	8.115	ppbv	99
69) p-Isopropyltoluene	17.74	119	3193901	8.130	ppbv	99
70) n-Butylbenzene	18.64	91	3653284	7.987	ppbv	98
71) 2-Chlorotoluene	15.55	91	2630423	8.292	ppbv	100
72) 4-Ethyltoluene	15.93	105	2820235	8.322	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	2722961	8.318	ppbv	99
74) 1,2,4-Trimethylbenzene	16.85	105	2724616	7.838	ppbv	98
75) 1,3-Dichlorobenzene	17.09	146	1463912	7.849	ppbv	99
76) 1,4-Dichlorobenzene	17.23	146	1477430	7.735	ppbv	98
77) 1,2-Dichlorobenzene	17.92	146	1451005	7.687	ppbv	98
78) Hexachloro-1,3-Butadiene	23.47	225	1086403	8.689	ppbv	99
79) Naphthalene	22.32	128	2417423	7.900	ppbv	97
80) Naphthalene, 2-methyl-	25.06	142	1038008	7.294	ppbv	99
81) 1,2,4-Trichlorobenzene	22.05	180	1316714	7.767	ppbv	100

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

