

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026648.D
 Acq On : 8 Jan 2016 16:06
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

apatel
 1/11/2016 4:59:37 PM

Quant Time: Jan 08 22:29:15 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08 2016
 QLast Update : Fri Jan 08 22:06:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	1105099	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	3047625	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	3874073	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	2936000	9.40	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	562899	1.92	ppbv	98
3) Chlorodifluoromethane	3.56	51	296976	2.13	ppbv	93
4) Chloromethane	3.74	50	151598	2.10	ppbv	98
5) Vinyl Chloride	3.87	62	163362	2.01	ppbv	99
6) Bromomethane	4.13	94	119086	1.95	ppbv	97
7) Chloroethane	4.23	64	70262	1.93	ppbv	98
8) Dichlorotetrafluoroethane	3.79	85	446058	1.99	ppbv	97
9) Propene	3.59	41	119262	2.23	ppbv	98
10) Heptane	9.33	43	421860	2.18	ppbv	98
11) Trichlorofluoromethane	4.68	101	551307	1.89	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	351534	1.97	ppbv	98
13) Ethanol	4.32	45	24277	2.15	ppbv	96
14) Bromoethene	4.44	108	129051	1.91	ppbv	98
15) Acetone	4.59	43	378395	2.34	ppbv #	78
16) 1,3-Butadiene	3.96	39	148917	2.06	ppbv	97
17) tert-Butyl alcohol	5.12	59	231673	1.54	ppbv	98
18) 1,1-Dichloroethene	5.07	96	152796	1.98	ppbv	90
19) Isopropyl Alcohol	4.75	45	148598	1.68	ppbv #	1
20) Methylene Chloride	5.14	84	147406	2.10	ppbv	99
21) Allyl Chloride	5.21	41	226068	2.03	ppbv	92
22) trans-1,2-Dichloroethene	5.74	96	174009	1.96	ppbv	97
23) Vinyl Acetate	5.96	43	596204	2.04	ppbv	97
24) 1,1-Dichloroethane	5.89	63	396476	2.02	ppbv	98
25) Ethyl Acetate	6.65	43	593655	2.10	ppbv	100
26) Hexane	6.64	57	306190	2.16	ppbv	98
27) Carbon Disulfide	5.37	76	422438	1.88	ppbv	97
28) Methyl tert-Butyl Ether	5.94	73	569854	1.95	ppbv	99
29) Chloroform	6.73	83	494512	1.96	ppbv	100
30) Cyclohexane	8.26	84	298532	2.07	ppbv	89
31) cis-1,2-Dichloroethene	6.49	61	296238	1.97	ppbv	97
32) 1,1,1-Trichloroethane	7.57	97	511569	1.88	ppbv	100
34) 2-Butanone	6.18	43	356685	2.23	ppbv	97
35) Carbon Tetrachloride	8.14	117	486475	1.94	ppbv	96
36) Benzene	8.00	78	693778	2.25	ppbv	97
37) 1,2-Dichloroethane	7.35	62	421655	2.01	ppbv	100
38) Trichloroethene	9.04	130	276804	2.32	ppbv	98
39) 1,2-Dichloropropane	8.80	63	235109	2.21	ppbv	99
40) 1,4-Dioxane	9.12	88	60054	1.78	ppbv #	27
41) Tetrahydrofuran	7.12	42	188540	2.23	ppbv	96
42) Bromodichloromethane	9.00	83	564530	2.07	ppbv	98
43) Methyl Methacrylate	9.24	69	248534	2.05	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	1149760	2.38	ppbv	97
45) t-1,3-Dichloropropene	10.62	75	389773	1.87	ppbv	96
46) cis-1,3-Dichloropropene	9.99	75	448988	1.99	ppbv	97
47) 1,1,2-Trichloroethane	10.85	97	321890	2.17	ppbv	96
48) Dibromochloromethane	11.77	129	465322	1.98	ppbv	99
49) Bromoform	14.79	173	386092	1.97	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	507275	2.15	ppbv	99
51) 2-Hexanone	11.60	43	488981	2.12	ppbv #	100
52) Tetrachloroethene	12.76	164	302388	2.25	ppbv	95
53) Toluene	11.21	91	961868	2.19	ppbv	100
54) 1,2-Dibromoethane	12.12	107	502512	2.15	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.76	131	370485	2.17	ppbv #	1
57) Chlorobenzene	13.79	112	841622	2.33	ppbv	95
58) Ethyl Benzene	14.38	91	1530788	2.21	ppbv	98
59) m/p-Xylene	14.66	91	2467665m	4.60	ppbv	
60) o-Xylene	15.46	91	1319169	2.38	ppbv	98
61) Styrene	15.28	104	537590	2.03	ppbv	99
62) Isopropylbenzene	16.52	105	1746676	2.26	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.45	83	885326	2.49	ppbv	100
64) n-propylbenzene	17.49	120	457696	2.23	ppbv	93
65) tert-Butylbenzene	18.78	119	1683558	2.61	ppbv	94
66) Benzyl Chloride	19.08	91	565884	1.89	ppbv	99
67) sec-Butylbenzene	19.38	105	2373471	2.37	ppbv	99
69) p-Isopropyltoluene	19.76	119	1841423	2.34	ppbv	99
70) n-Butylbenzene	20.73	91	1943007	2.34	ppbv	98
71) 2-Chlorotoluene	17.39	91	1376532	2.19	ppbv	99
72) 4-Ethyltoluene	17.79	105	1493975	2.21	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	1394626	2.25	ppbv	96
74) 1,2,4-Trimethylbenzene	18.80	105	1495917	2.47	ppbv	96
75) 1,3-Dichlorobenzene	19.09	146	887677	2.35	ppbv	97
76) 1,4-Dichlorobenzene	19.24	146	905883	2.28	ppbv	99
77) 1,2-Dichlorobenzene	20.00	146	903240	2.29	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	381726	2.43	ppbv	99
79) Naphthalene	23.91	128	1036539	2.19	ppbv	98
80) Naphthalene, 2-methyl-	26.02	142	146533	1.21	ppbv #	93
81) 1,2,4-Trichlorobenzene	23.71	180	466941	2.28	ppbv	99

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

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