

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026650.D
 Acq On : 8 Jan 2016 17:22
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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 1/11/2016 5:13:27 PM

Quant Time: Jan 08 22:35:00 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	866063	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2583581	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.72	117	3276884	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	2643267	10.01	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	127176	0.55	ppbv	95
3) Chlorodifluoromethane	3.56	51	63093	0.58	ppbv	98
4) Chloromethane	3.73	50	29694	0.53	ppbv	93
5) Vinyl Chloride	3.88	62	31124	0.49	ppbv	95
6) Bromomethane	4.14	94	26573	0.56	ppbv	81
7) Chloroethane	4.23	64	14120	0.49	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	95487	0.54	ppbv	95
9) Propene	3.59	41	20434	0.49	ppbv	93
10) Heptane	9.33	43	74992	0.49	ppbv	87
11) Trichlorofluoromethane	4.68	101	128879	0.56	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	80114	0.57	ppbv	100
13) Ethanol	4.34	45	4029	0.46	ppbv	96
14) Bromoethene	4.44	108	27254	0.51	ppbv #	96
15) Acetone	4.60	43	79840	0.63	ppbv #	74
16) 1,3-Butadiene	3.95	39	29321	0.52	ppbv	98
17) tert-Butyl alcohol	5.15	59	53937m	0.46	ppbv	
18) 1,1-Dichloroethene	5.07	96	32140	0.53	ppbv	97
19) Isopropyl Alcohol	4.77	45	29395m	0.42	ppbv	
20) Methylene Chloride	5.14	84	32845	0.60	ppbv	88
21) Allyl Chloride	5.21	41	44955	0.51	ppbv	85
22) trans-1,2-Dichloroethene	5.75	96	35667	0.51	ppbv	95
23) Vinyl Acetate	5.97	43	102555	0.45	ppbv #	96
24) 1,1-Dichloroethane	5.89	63	86381	0.56	ppbv	99
25) Ethyl Acetate	6.67	43	105704	0.48	ppbv	98
26) Hexane	6.64	57	55929	0.50	ppbv	95
27) Carbon Disulfide	5.37	76	80206	0.46	ppbv	95
28) Methyl tert-Butyl Ether	5.95	73	110886	0.49	ppbv	98
29) Chloroform	6.73	83	111484	0.56	ppbv	95
30) Cyclohexane	8.26	84	51879	0.46	ppbv #	31
31) cis-1,2-Dichloroethene	6.49	61	54088	0.46	ppbv	91
32) 1,1,1-Trichloroethane	7.57	97	109831	0.52	ppbv	98
34) 2-Butanone	6.20	43	70671	0.52	ppbv	99
35) Carbon Tetrachloride	8.14	117	108032	0.51	ppbv	96
36) Benzene	8.00	78	129649	0.50	ppbv	96
37) 1,2-Dichloroethane	7.34	62	93921	0.53	ppbv	97
38) Trichloroethene	9.04	130	57618	0.57	ppbv	93
39) 1,2-Dichloropropane	8.80	63	45919	0.51	ppbv	87
40) 1,4-Dioxane	9.16	88	6892m	0.24	ppbv	
41) Tetrahydrofuran	7.14	42	28607	0.40	ppbv	98
42) Bromodichloromethane	9.00	83	114124	0.49	ppbv	95
43) Methyl Methacrylate	9.26	69	41814	0.41	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	207883	0.51	ppbv	98
45) t-1,3-Dichloropropene	10.63	75	59130	0.33	ppbv	97
46) cis-1,3-Dichloropropene	9.99	75	74062	0.39	ppbv	91
47) 1,1,2-Trichloroethane	10.85	97	65286	0.52	ppbv	95
48) Dibromochloromethane	11.77	129	93612	0.47	ppbv	100
49) Bromoform	14.79	173	72781	0.44	ppbv	99
50) 4-Methyl-2-Pentanone	10.09	43	82815	0.41	ppbv	99
51) 2-Hexanone	11.62	43	65062	0.33	ppbv #	98
52) Tetrachloroethene	12.76	164	65951	0.58	ppbv	95
53) Toluene	11.21	91	168018	0.45	ppbv	100
54) 1,2-Dibromoethane	12.11	107	105247	0.53	ppbv	91
56) 1,1,1,2-Tetrachloroethane	13.76	131	81263	0.56	ppbv #	1
57) Chlorobenzene	13.79	112	192819	0.63	ppbv	99
58) Ethyl Benzene	14.38	91	275312	0.47	ppbv	92
59) m/p-Xylene	14.69	91	503922	1.11	ppbv	96
60) o-Xylene	15.46	91	290629	0.62	ppbv	97
61) Styrene	15.29	104	80915	0.36	ppbv	97
62) Isopropylbenzene	16.52	105	362357	0.55	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.45	83	213147	0.71	ppbv	100
64) n-propylbenzene	17.49	120	99177	0.57	ppbv	96
65) tert-Butylbenzene	18.78	119	346825	0.64	ppbv	96
66) Benzyl Chloride	19.07	91	92150	0.36	ppbv	97
67) sec-Butylbenzene	19.38	105	509652	0.60	ppbv	99
69) p-Isopropyltoluene	19.76	119	367437	0.55	ppbv	98
70) n-Butylbenzene	20.73	91	362207	0.52	ppbv	97
71) 2-Chlorotoluene	17.40	91	256122	0.48	ppbv	98
72) 4-Ethyltoluene	17.79	105	277575	0.49	ppbv	98
73) 1,3,5-Trimethylbenzene	17.96	105	282310	0.54	ppbv	97
74) 1,2,4-Trimethylbenzene	18.80	105	323086	0.63	ppbv #	95
75) 1,3-Dichlorobenzene	19.09	146	210216	0.66	ppbv	97
76) 1,4-Dichlorobenzene	19.24	146	209460	0.62	ppbv	98
77) 1,2-Dichlorobenzene	20.00	146	203313	0.61	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	84945	0.64	ppbv	96
79) Naphthalene	23.91	128	169279	0.42	ppbv	97
80) Naphthalene, 2-methyl-	26.03	142	23361	0.23	ppbv #	86
81) 1,2,4-Trichlorobenzene	23.71	180	84342	0.49	ppbv	98

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

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